

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 30-045-38329	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 721H

II. 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
B	21	23N	08W		387'	North	2064'	East	San Juan

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	22	23N	08W		622'	South	1453'	East	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 4/8/2024	²² Ready Date 6/20/2024	²³ TD 11,760' MD 5,005' TVD	²⁴ PBTD 11,738' MD 5,005' TVD	²⁵ Perforations 5,587' – 11,691' MD 4,986' – 5,023' TVD FracSleeve @ 11,711'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25"	9.625" 36# J55	378'	109		
8.75"	7" 26# J55	5,575'	663		
6.125"	4.5" 11.6# P110	TOL: 5,402' BOL: 11,750'	525		

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>6/17/2024</i>	
E-mail Address: sford@enduringresources.com		<i>RT EXPIRES 9/20/2024</i>	
Date: 6/6/2024	Phone: 505-716-3297		

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

☒ AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38329	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	
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁶ Well Number 721H
		⁹ Elevation 6837'

¹⁰ Surface Location									
UL or lot no. B	Section 21	Township 23N	Range 8W	Lot Idn	Feet from the 387'	North/South line NORTH	Feet from the 2064'	East/West line EAST	County SAN JUAN

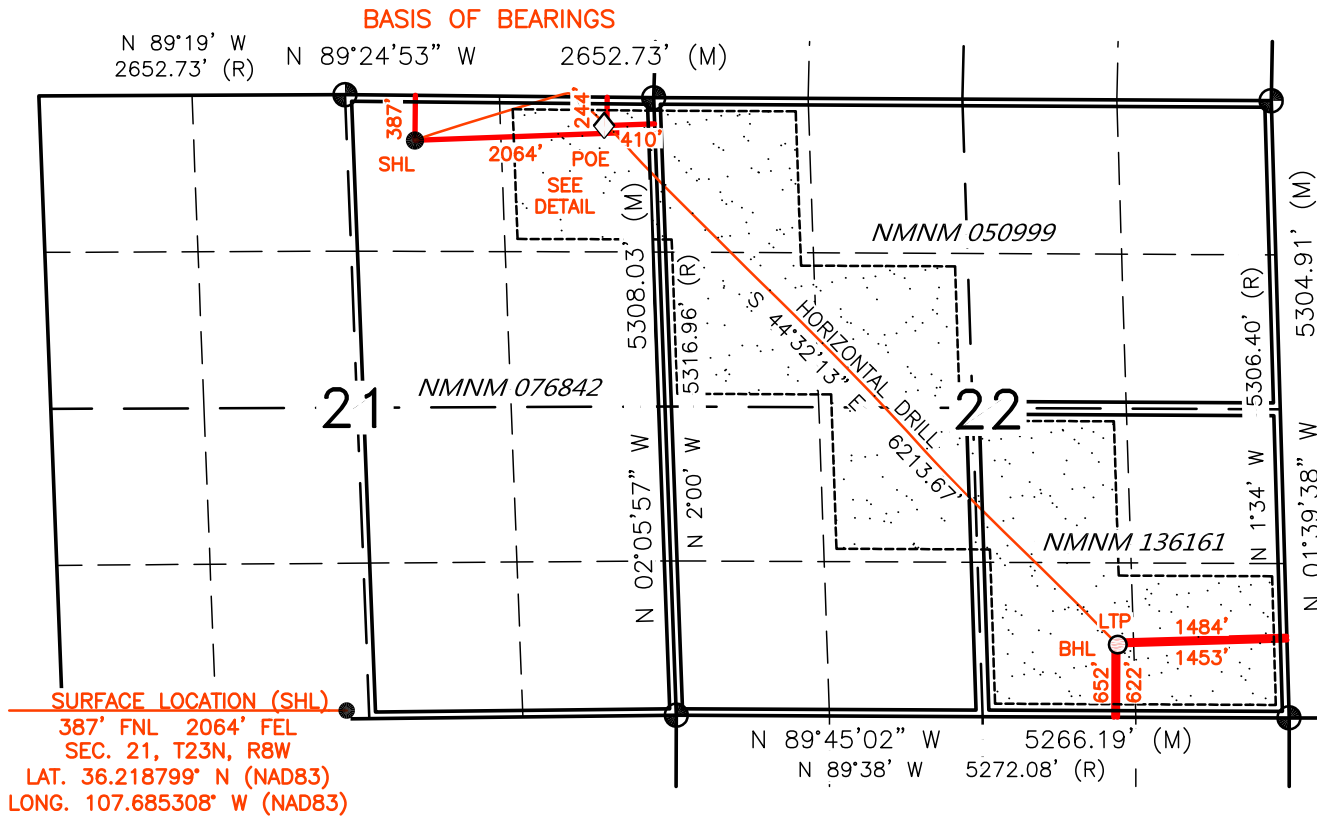
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. O	Section 22	Township 23N	Range 8W	Lot Idn	Feet from the 622'	North/South line SOUTH	Feet from the 1453'	East/West line EAST	County SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT; SEC 21: NE/NE (40 AC.); SEC 22: NW/NW, SW/NW, SE/NW, NE/SW, NW/SE, SW/SE & SE/SE (280 AC.) = 320 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13930 R-13930A
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

FND 2 1/2" BC
GLO 1947



18

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 6/6/24
Signature Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

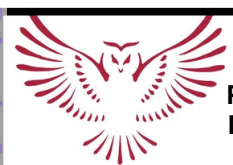
SURVEYOR CERTIFICATION

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.

MAY 31, 2024

Date of Survey
Signature and Seal of Professional Surveyor:

Certificate Number 11393



Well: **Betonne Tsosie Wash Unit 721H**
Site: **Betonne Tsosie Wash Unit (305, 306 & 721)**
Project: **San Juan County, New Mexico NAD83 NM-W**
Design: **MWD surveys**
Rig: **Aztec 1000**

ANNOTATIONS SURVEYS



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

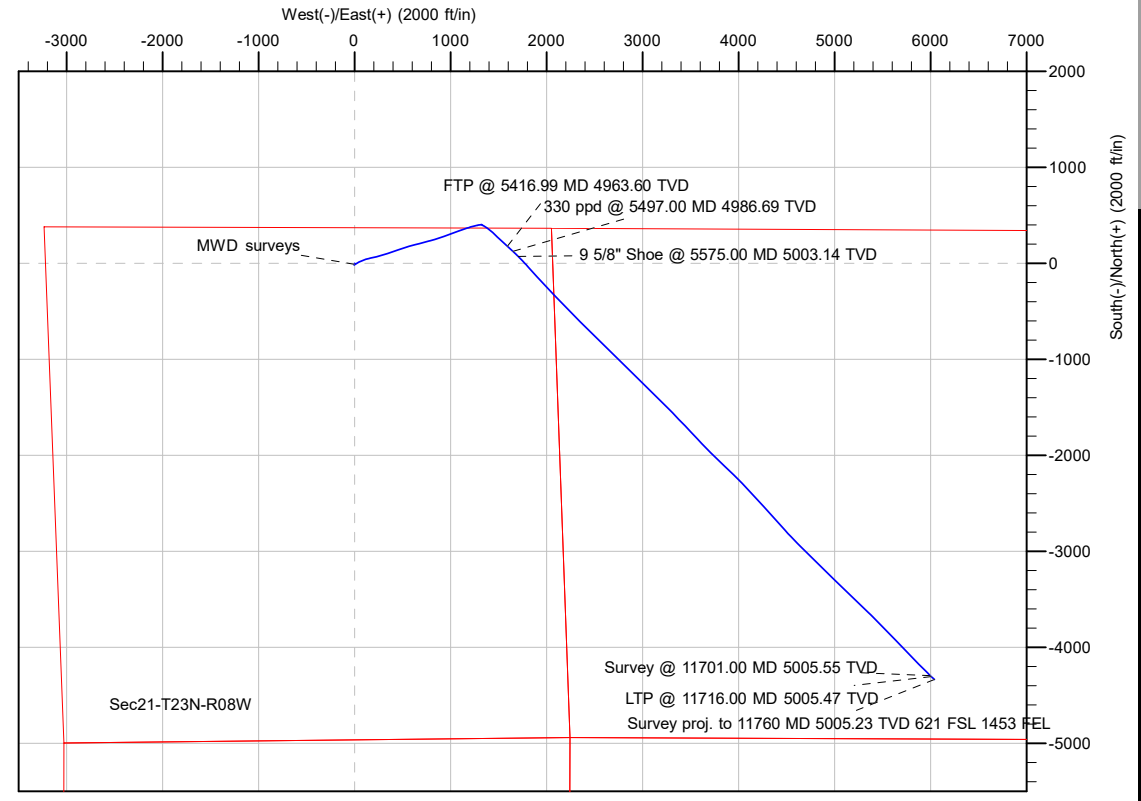
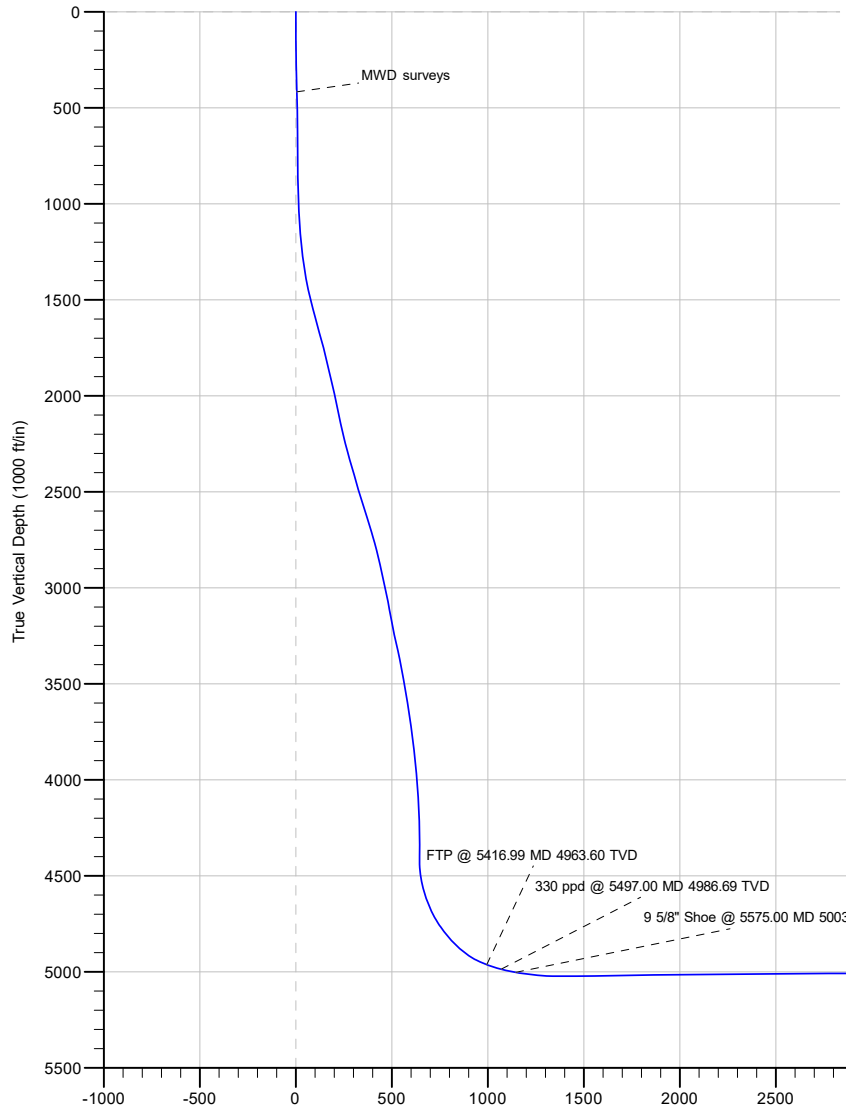
Magnetic Field
Strength: 49027.2nT
Dip Angle: 62.69°
Date: 3/24/2024
Model: IGRF2020

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=6837+25 @ 6862.00ft (Aztec 1000)

Surface location:
Northing 1898973.99 Easting 2766755.03 Latitude 36.21879900 Longitude -107.68530600

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

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Annotation
418.00	2.62	188.320	417.85	-9.45	-1.38	5.75	MWD surveys
5416.99	69.92	132.679	4963.60	178.53	1593.97	994.03	FTP @ 5416.99 MD 4963.60 TVD
5497.00	76.15	133.420	4986.69	126.52	1650.17	1070.52	330 ppd @ 5497.00 MD 4986.69 TVD
5575.00	79.39	135.031	5003.14	73.34	1704.79	1146.74	9 5/8" Shoe @ 5575.00 MD 5003.14 TVD
11701.00	90.31	133.550	5005.55	-4292.25	5997.38	7269.20	Survey @ 11701.00 MD 5005.55 TVD
11716.00	90.31	133.550	5005.47	-4302.59	6008.25	7284.19	LTP @ 11716.00 MD 5005.47 TVD
11760.00	90.31	133.550	5005.23	-4332.90	6040.14	7328.17	Survey proj. to 11760 MD 5005.23 TVD 621 FSL 1453 FEL



Vertical Section at 135.312° (1000 ft/in)



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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 (305, 306 & 721)		
Site Position:		Northing:	1,898,955.07 usft
From:	Lat/Long	Easting:	2,766,760.37 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.21874700
		Longitude:	-107.68528800

Well	Betonnie Tsosie Wash Unit 721H, Surf loc: 387 FNL 2064 FEL Section 21-T23N-R08W			
Well Position	+N/-S	0.00 ft	Northing:	1,898,973.99 usft
	+E/-W	0.00 ft	Easting:	2,766,755.03 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft
Grid Convergence:		0.09 °	Ground Level:	6,837.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/24/2024	8.48	62.69	49,027.24619647

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	135.312	

Survey Program	Date	5/22/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
418.00	5,501.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,611.00	11,701.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,760.00	11,760.00	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	
418.00	2.62	188.320	417.85	-9.45	-1.38	5.75	0.63	0.63	0.00	
MWD surveys										
513.00	2.58	194.430	512.76	-13.67	-2.23	8.15	0.29	-0.04	6.43	
607.00	1.28	197.330	606.70	-16.73	-3.07	9.73	1.39	-1.38	3.09	
702.00	0.73	23.820	701.70	-17.18	-3.14	10.01	2.11	-0.58	-182.64	
797.00	3.01	52.730	796.64	-15.12	-0.91	10.11	2.52	2.40	30.43	
892.00	6.47	55.110	891.30	-10.55	5.47	11.34	3.65	3.64	2.51	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
987.00	9.80	55.880	985.33	-2.95	16.55	13.74	3.51	3.51	0.81
1,081.00	13.15	60.810	1,077.44	6.76	32.51	18.06	3.71	3.56	5.24
1,173.00	15.66	64.890	1,166.54	17.13	52.90	25.02	2.94	2.73	4.43
1,265.00	17.21	67.200	1,254.78	27.68	76.69	34.26	1.83	1.68	2.51
1,357.00	19.10	69.960	1,342.20	38.11	103.38	45.61	2.26	2.05	3.00
1,447.00	22.32	75.160	1,426.38	47.54	133.74	60.26	4.12	3.58	5.78
1,538.00	26.04	76.810	1,509.38	56.52	169.91	79.30	4.15	4.09	1.81
1,628.00	27.33	75.760	1,589.80	66.11	209.17	100.09	1.53	1.43	-1.17
1,719.00	28.13	78.190	1,670.35	75.64	250.42	122.33	1.52	0.88	2.67
1,810.00	28.65	73.280	1,750.41	86.31	292.31	144.21	2.63	0.57	-5.40
1,899.00	28.84	71.530	1,828.45	99.25	333.11	163.70	0.97	0.21	-1.97
1,994.00	27.80	71.550	1,912.08	113.52	375.86	183.61	1.09	-1.09	0.02
2,089.00	27.10	70.540	1,996.38	127.74	417.27	202.63	0.88	-0.74	-1.06
2,183.00	26.53	70.330	2,080.27	141.94	457.23	220.63	0.61	-0.61	-0.22
2,278.00	26.25	70.290	2,165.37	156.17	496.99	238.48	0.30	-0.29	-0.04
2,373.00	28.58	73.960	2,249.70	169.53	538.61	258.25	3.03	2.45	3.86
2,468.00	29.94	74.850	2,332.58	182.01	583.34	280.83	1.50	1.43	0.94
2,563.00	30.33	74.940	2,414.74	194.44	629.38	304.38	0.41	0.41	0.09
2,658.00	31.27	75.270	2,496.34	206.94	676.39	328.55	1.01	0.99	0.35
2,752.00	32.15	75.200	2,576.31	219.53	724.17	353.19	0.94	0.94	-0.07
2,847.00	32.35	75.410	2,656.65	232.39	773.20	378.53	0.24	0.21	0.22
2,942.00	30.17	73.780	2,737.86	245.46	820.73	402.66	2.46	-2.29	-1.72
3,037.00	28.22	72.620	2,820.79	258.84	865.09	424.35	2.14	-2.05	-1.22
3,132.00	27.28	70.950	2,904.86	272.66	907.11	444.07	1.28	-0.99	-1.76
3,227.00	27.41	70.250	2,989.24	287.15	948.26	462.71	0.37	0.14	-0.74
3,322.00	26.51	68.760	3,073.92	302.22	988.61	480.37	1.18	-0.95	-1.57
3,417.00	25.49	68.360	3,159.30	317.44	1,027.37	496.81	1.09	-1.07	-0.42
3,512.00	25.39	72.000	3,245.10	331.27	1,065.75	513.96	1.65	-0.11	3.83
3,606.00	25.53	71.920	3,329.97	343.79	1,104.17	532.09	0.15	0.15	-0.09
3,701.00	24.18	70.880	3,416.17	356.52	1,142.01	549.65	1.49	-1.42	-1.09
3,796.00	21.45	71.420	3,503.73	368.42	1,176.87	565.70	2.88	-2.87	0.57
3,890.00	19.12	72.720	3,591.89	378.48	1,207.86	580.35	2.52	-2.48	1.38
3,985.00	17.00	75.360	3,682.21	386.61	1,236.16	594.47	2.39	-2.23	2.78
4,080.00	13.67	74.960	3,773.81	393.03	1,260.45	606.98	3.51	-3.51	-0.42
4,174.00	11.63	79.630	3,865.53	397.62	1,280.49	617.81	2.43	-2.17	4.97
4,269.00	9.21	83.060	3,958.96	400.26	1,297.46	627.87	2.63	-2.55	3.61
4,364.00	6.66	79.000	4,053.04	402.23	1,310.42	635.58	2.75	-2.68	-4.27
4,459.00	4.44	77.040	4,147.59	404.11	1,319.41	640.57	2.35	-2.34	-2.06
4,554.00	1.60	89.680	4,242.45	404.94	1,324.32	643.43	3.05	-2.99	13.31
4,649.00	1.42	217.010	4,337.43	404.01	1,324.94	644.53	2.85	-0.19	134.03
4,680.00	1.30	217.010	4,368.42	403.42	1,324.50	644.64	0.39	-0.39	0.00
4,712.00	0.55	245.580	4,400.42	403.07	1,324.14	644.64	2.68	-2.34	89.28
4,744.00	0.96	107.820	4,432.42	402.92	1,324.26	644.82	4.43	1.28	-430.50



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
4,775.00	4.58	114.870	4,463.38	402.32	1,325.63	646.21	11.71	11.68	22.74
4,807.00	8.27	116.360	4,495.17	400.76	1,328.85	649.59	11.54	11.53	4.66
4,838.00	11.17	115.550	4,525.72	398.48	1,333.56	654.52	9.37	9.35	-2.61
4,870.00	14.21	117.480	4,556.94	395.33	1,339.84	661.18	9.59	9.50	6.03
4,901.00	17.12	120.900	4,586.78	391.23	1,347.13	669.22	9.84	9.39	11.03
4,933.00	19.54	121.910	4,617.16	385.98	1,355.72	678.99	7.63	7.56	3.16
4,965.00	22.47	122.120	4,647.03	379.90	1,365.44	690.15	9.16	9.16	0.66
4,996.00	25.25	123.750	4,675.37	373.07	1,375.96	702.40	9.22	8.97	5.26
5,028.00	27.96	125.310	4,703.98	364.94	1,387.76	716.48	8.74	8.47	4.88
5,059.00	30.98	126.920	4,730.97	355.95	1,400.07	731.53	10.07	9.74	5.19
5,091.00	33.65	128.750	4,758.01	345.45	1,413.57	748.49	8.89	8.34	5.72
5,122.00	36.08	131.110	4,783.45	334.07	1,427.15	766.13	8.96	7.84	7.61
5,144.00	39.24	133.160	4,800.86	325.05	1,437.11	779.55	15.45	14.36	9.32
5,186.00	42.00	135.150	4,832.74	306.00	1,456.71	806.88	7.26	6.57	4.74
5,217.00	44.95	135.120	4,855.23	290.88	1,471.76	828.21	9.52	9.52	-0.10
5,249.00	48.28	133.680	4,877.21	274.62	1,488.38	851.46	10.91	10.41	-4.50
5,280.00	51.46	132.080	4,897.19	258.50	1,505.75	875.13	10.99	10.26	-5.16
5,312.00	55.50	131.700	4,916.23	241.33	1,524.89	900.80	12.66	12.63	-1.19
5,343.00	60.13	131.850	4,932.74	223.86	1,544.45	926.98	14.94	14.94	0.48
5,375.00	64.73	132.510	4,947.54	204.81	1,565.46	955.29	14.49	14.38	2.06
5,406.00	68.93	132.780	4,959.74	185.51	1,586.42	983.75	13.57	13.55	0.87
5,416.99	69.92	132.679	4,963.60	178.53	1,593.97	994.03	9.07	9.03	-0.92
FTP @ 5416.99 MD 4963.60 TVD									
5,438.00	71.82	132.490	4,970.49	165.10	1,608.59	1,013.86	9.07	9.03	-0.90
5,469.00	74.23	132.780	4,979.54	145.02	1,630.40	1,043.47	7.83	7.77	0.94
5,497.00	76.15	133.420	4,986.69	126.52	1,650.17	1,070.52	7.22	6.87	2.28
330 ppd @ 5497.00 MD 4986.69 TVD									
5,501.00	76.43	133.510	4,987.64	123.85	1,652.99	1,074.41	7.22	6.88	2.26
5,575.00	79.39	135.031	5,003.14	73.34	1,704.79	1,146.74	4.47	4.00	2.06
9 5/8" Shoe @ 5575.00 MD 5003.14 TVD									
5,611.00	80.83	135.760	5,009.32	48.09	1,729.69	1,182.21	4.47	4.01	2.02
5,642.00	81.56	135.890	5,014.07	26.12	1,751.04	1,212.84	2.39	2.35	0.42
5,673.00	84.02	136.720	5,017.96	3.88	1,772.28	1,243.59	8.37	7.94	2.68
5,705.00	86.67	137.830	5,020.55	-19.54	1,793.92	1,275.46	8.97	8.28	3.47
5,736.00	87.75	138.570	5,022.06	-42.63	1,814.56	1,306.38	4.22	3.48	2.39
5,768.00	88.13	138.580	5,023.21	-66.60	1,835.71	1,338.31	1.19	1.19	0.03
5,799.00	89.27	138.160	5,023.92	-89.77	1,856.30	1,369.26	3.92	3.68	-1.35
5,893.00	90.92	137.710	5,023.76	-159.55	1,919.28	1,463.16	1.82	1.76	-0.48
5,987.00	90.72	137.640	5,022.42	-229.04	1,982.56	1,557.07	0.23	-0.21	-0.07
6,080.00	90.90	135.910	5,021.10	-296.80	2,046.25	1,650.02	1.87	0.19	-1.86
6,174.00	91.05	135.560	5,019.50	-364.10	2,111.85	1,744.01	0.41	0.16	-0.37
6,268.00	90.88	135.380	5,017.92	-431.11	2,177.76	1,837.99	0.26	-0.18	-0.19
6,362.00	90.88	135.150	5,016.47	-497.87	2,243.91	1,931.98	0.24	0.00	-0.24
6,456.00	90.86	135.300	5,015.05	-564.59	2,310.11	2,025.97	0.16	-0.02	0.16



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Bettonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Bettonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)	
6,550.00	90.47	135.120	5,013.96	-631.30	2,376.33	2,119.96	0.46	-0.41	-0.19	
6,643.00	90.29	134.930	5,013.34	-697.09	2,442.06	2,212.96	0.28	-0.19	-0.20	
6,737.00	90.43	134.960	5,012.75	-763.49	2,508.59	2,306.96	0.15	0.15	0.03	
6,831.00	90.45	134.560	5,012.03	-829.68	2,575.34	2,400.95	0.43	0.02	-0.43	
6,926.00	90.57	134.430	5,011.18	-896.26	2,643.10	2,495.94	0.19	0.13	-0.14	
7,019.00	90.17	134.110	5,010.58	-961.17	2,709.69	2,588.92	0.55	-0.43	-0.34	
7,113.00	90.17	134.420	5,010.30	-1,026.78	2,777.00	2,682.90	0.33	0.00	0.33	
7,207.00	90.39	134.660	5,009.84	-1,092.71	2,844.00	2,776.89	0.35	0.23	0.26	
7,300.00	90.14	134.580	5,009.41	-1,158.03	2,910.20	2,869.89	0.28	-0.27	-0.09	
7,394.00	90.06	134.420	5,009.25	-1,223.92	2,977.24	2,963.88	0.19	-0.09	-0.17	
7,489.00	90.31	134.750	5,008.94	-1,290.61	3,044.90	3,058.87	0.44	0.26	0.35	
7,583.00	89.64	134.950	5,008.98	-1,356.90	3,111.54	3,152.86	0.74	-0.71	0.21	
7,677.00	89.41	134.530	5,009.76	-1,423.06	3,178.31	3,246.86	0.51	-0.24	-0.45	
7,771.00	89.26	134.270	5,010.85	-1,488.83	3,245.47	3,340.84	0.32	-0.16	-0.28	
7,865.00	89.06	135.530	5,012.23	-1,555.17	3,312.04	3,434.82	1.36	-0.21	1.34	
7,959.00	91.03	135.950	5,012.16	-1,622.49	3,377.64	3,528.82	2.14	2.10	0.45	
8,053.00	91.26	136.670	5,010.28	-1,690.44	3,442.56	3,622.78	0.80	0.24	0.77	
8,147.00	91.23	136.770	5,008.24	-1,758.86	3,506.99	3,716.73	0.11	-0.03	0.11	
8,241.00	91.39	136.680	5,006.09	-1,827.28	3,571.41	3,810.68	0.20	0.17	-0.10	
8,335.00	90.77	136.180	5,004.32	-1,895.38	3,636.18	3,904.64	0.85	-0.66	-0.53	
8,429.00	90.98	135.220	5,002.88	-1,962.64	3,701.83	3,998.63	1.05	0.22	-1.02	
8,524.00	90.49	134.630	5,001.66	-2,029.72	3,769.08	4,093.62	0.81	-0.52	-0.62	
8,618.00	89.28	132.450	5,001.85	-2,094.47	3,837.22	4,187.56	2.65	-1.29	-2.32	
8,712.00	88.59	133.480	5,003.60	-2,158.52	3,905.99	4,281.47	1.32	-0.73	1.10	
8,806.00	87.99	135.620	5,006.40	-2,224.43	3,972.95	4,375.41	2.36	-0.64	2.28	
8,900.00	87.23	135.260	5,010.32	-2,291.35	4,038.84	4,469.33	0.89	-0.81	-0.38	
8,994.00	88.99	137.100	5,013.42	-2,359.13	4,103.89	4,563.26	2.71	1.87	1.96	
9,088.00	91.34	138.170	5,013.15	-2,428.58	4,167.22	4,657.17	2.75	2.50	1.14	
9,182.00	91.19	137.660	5,011.08	-2,498.33	4,230.21	4,751.05	0.57	-0.16	-0.54	
9,276.00	90.62	137.640	5,009.59	-2,567.79	4,293.53	4,844.96	0.61	-0.61	-0.02	
9,371.00	90.72	137.880	5,008.48	-2,638.11	4,357.38	4,939.87	0.27	0.11	0.25	
9,465.00	90.56	137.980	5,007.43	-2,707.89	4,420.36	5,033.77	0.20	-0.17	0.11	
9,560.00	90.66	137.820	5,006.42	-2,778.37	4,484.05	5,128.66	0.20	0.11	-0.17	
9,654.00	91.44	136.090	5,004.70	-2,847.05	4,548.20	5,222.60	2.02	0.83	-1.84	
9,748.00	90.92	136.000	5,002.76	-2,914.71	4,613.43	5,316.58	0.56	-0.55	-0.10	
9,842.00	90.00	134.770	5,002.01	-2,981.62	4,679.44	5,410.57	1.63	-0.98	-1.31	
9,936.00	89.57	134.180	5,002.36	-3,047.47	4,746.52	5,504.56	0.78	-0.46	-0.63	
10,030.00	89.50	134.240	5,003.12	-3,113.02	4,813.89	5,598.54	0.10	-0.07	0.06	
10,124.00	89.11	134.200	5,004.26	-3,178.57	4,881.26	5,692.52	0.42	-0.41	-0.04	
10,219.00	90.49	134.820	5,004.59	-3,245.16	4,949.00	5,787.50	1.59	1.45	0.65	
10,313.00	90.21	134.230	5,004.02	-3,311.08	5,016.02	5,881.49	0.69	-0.30	-0.63	
10,407.00	90.47	134.000	5,003.46	-3,376.51	5,083.50	5,975.47	0.37	0.28	-0.24	
10,502.00	89.70	133.750	5,003.32	-3,442.35	5,151.98	6,070.44	0.85	-0.81	-0.26	
10,595.00	89.39	133.820	5,004.06	-3,506.70	5,219.12	6,163.40	0.34	-0.33	0.08	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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)
10,689.00	89.22	134.560	5,005.20	-3,572.22	5,286.52	6,257.38	0.81	-0.18	0.79
10,783.00	88.70	133.830	5,006.91	-3,637.73	5,353.90	6,351.34	0.95	-0.55	-0.78
10,876.00	90.52	135.610	5,007.54	-3,703.17	5,419.97	6,444.33	2.74	1.96	1.91
10,970.00	89.47	135.620	5,007.55	-3,770.34	5,485.72	6,538.32	1.12	-1.12	0.01
11,064.00	88.81	134.640	5,008.96	-3,836.95	5,552.03	6,632.31	1.26	-0.70	-1.04
11,158.00	91.10	136.380	5,009.03	-3,904.00	5,617.90	6,726.30	3.06	2.44	1.85
11,252.00	90.71	136.500	5,007.55	-3,972.11	5,682.67	6,820.27	0.43	-0.41	0.13
11,346.00	90.42	136.410	5,006.62	-4,040.24	5,747.42	6,914.25	0.32	-0.31	-0.10
11,440.00	90.35	136.120	5,005.99	-4,108.16	5,812.41	7,008.23	0.32	-0.07	-0.31
11,534.00	89.04	134.710	5,006.49	-4,175.10	5,878.39	7,102.23	2.05	-1.39	-1.50
11,628.00	91.05	134.900	5,006.42	-4,241.34	5,945.08	7,196.22	2.15	2.14	0.20
11,701.00	90.31	133.550	5,005.55	-4,292.25	5,997.38	7,269.20	2.11	-1.01	-1.85
Survey @ 11701.00 MD 5005.55 TVD									
11,716.00	90.31	133.550	5,005.47	-4,302.59	6,008.26	7,284.19	0.00	0.00	0.00
LTP @ 11716.00 MD 5005.47 TVD									
11,760.00	90.31	133.550	5,005.23	-4,332.90	6,040.14	7,328.17	0.00	0.00	0.00
Survey proj. to 11760 MD 5005.23 TVD 621 FSL 1453 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
418.00	417.85	-9.45	-1.38	MWD surveys
5,416.99	4,963.60	178.53	1,593.97	FTP @ 5416.99 MD 4963.60 TVD
5,497.00	4,986.69	126.52	1,650.17	330 ppd @ 5497.00 MD 4986.69 TVD
5,575.00	5,003.14	73.34	1,704.79	9 5/8" Shoe @ 5575.00 MD 5003.14 TVD
11,701.00	5,005.55	-4,292.25	5,997.38	Survey @ 11701.00 MD 5005.55 TVD
11,716.00	5,005.47	-4,302.59	6,008.26	LTP @ 11716.00 MD 5005.47 TVD
11,760.00	5,005.23	-4,332.90	6,040.14	Survey proj. to 11760 MD 5005.23 TVD 621 FSL 1453 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_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 (305, 306 & 721)				
Site Position:		Northing:	1,898,955.07 usft	Latitude:	36.21874700
From:	Lat/Long	Easting:	2,766,760.37 usft	Longitude:	-107.68528800
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.09 °

Well	Betonnie Tsosie Wash Unit 721H, Surf loc: 387 FNL 2064 FEL Section 21-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,898,973.99 usft	Latitude:	36.21879900
	+E/-W	0.00 ft	Easting:	2,766,755.03 usft	Longitude:	-107.68530600
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,837.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/24/2024	8.48	62.69	49,027.24619647

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	135.312	

Survey Program	Date	5/22/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
418.00	5,501.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,611.00	11,701.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,760.00	11,760.00	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	1,898,973.99	2,766,755.03	36.21879900	-107.68530600	
418.00	2.62	188.320	417.85	-9.45	-1.38	1,898,964.54	2,766,753.65	36.21877303	-107.68531074	
MWD surveys										
513.00	2.58	194.430	512.76	-13.67	-2.23	1,898,960.32	2,766,752.80	36.21876145	-107.68531363	
607.00	1.28	197.330	606.70	-16.73	-3.07	1,898,957.27	2,766,751.96	36.21875307	-107.68531650	
702.00	0.73	23.820	701.70	-17.18	-3.14	1,898,956.81	2,766,751.89	36.21875181	-107.68531674	
797.00	3.01	52.730	796.64	-15.12	-0.91	1,898,958.87	2,766,754.12	36.21875747	-107.68530917	
892.00	6.47	55.110	891.30	-10.55	5.47	1,898,963.45	2,766,760.50	36.21877000	-107.68528753	
987.00	9.80	55.880	985.33	-2.95	16.55	1,898,971.05	2,766,771.59	36.21879083	-107.68524990	
1,081.00	13.15	60.810	1,077.44	6.76	32.51	1,898,980.75	2,766,787.55	36.21881743	-107.68519574	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Bettonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Bettonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,173.00	15.66	64.890	1,166.54	17.13	52.90	1,898,991.13	2,766,807.93	36.21884584	-107.68512658
1,265.00	17.21	67.200	1,254.78	27.68	76.69	1,899,001.67	2,766,831.72	36.21887471	-107.68504587
1,357.00	19.10	69.960	1,342.20	38.11	103.38	1,899,012.10	2,766,858.41	36.21890326	-107.68495533
1,447.00	22.32	75.160	1,426.38	47.54	133.74	1,899,021.53	2,766,888.78	36.21892902	-107.68485234
1,538.00	26.04	76.810	1,509.38	56.52	169.91	1,899,030.52	2,766,924.94	36.21895356	-107.68472969
1,628.00	27.33	75.760	1,589.80	66.11	209.17	1,899,040.11	2,766,964.20	36.21897974	-107.68459654
1,719.00	28.13	78.190	1,670.35	75.64	250.42	1,899,049.64	2,767,005.45	36.21900574	-107.68445665
1,810.00	28.65	73.280	1,750.41	86.31	292.31	1,899,060.30	2,767,047.35	36.21903487	-107.68431456
1,899.00	28.84	71.530	1,828.45	99.25	333.11	1,899,073.24	2,767,088.14	36.21907024	-107.68417619
1,994.00	27.80	71.550	1,912.08	113.52	375.86	1,899,087.51	2,767,130.89	36.21910926	-107.68403119
2,089.00	27.10	70.540	1,996.38	127.74	417.27	1,899,101.73	2,767,172.31	36.21914815	-107.68389071
2,183.00	26.53	70.330	2,080.27	141.94	457.23	1,899,115.93	2,767,212.26	36.21918699	-107.68375517
2,278.00	26.25	70.290	2,165.37	156.17	496.99	1,899,130.16	2,767,252.02	36.21922590	-107.68362032
2,373.00	28.58	73.960	2,249.70	169.53	538.61	1,899,143.53	2,767,293.64	36.21926245	-107.68347913
2,468.00	29.94	74.850	2,332.58	182.01	583.34	1,899,156.00	2,767,338.37	36.21929653	-107.68332744
2,563.00	30.33	74.940	2,414.74	194.44	629.38	1,899,168.43	2,767,384.41	36.21933047	-107.68317127
2,658.00	31.27	75.270	2,496.34	206.94	676.39	1,899,180.93	2,767,431.42	36.21936462	-107.68301183
2,752.00	32.15	75.200	2,576.31	219.53	724.17	1,899,193.52	2,767,479.20	36.21939900	-107.68284979
2,847.00	32.35	75.410	2,656.65	232.39	773.20	1,899,206.38	2,767,528.23	36.21943412	-107.68268349
2,942.00	30.17	73.780	2,737.86	245.46	820.73	1,899,219.46	2,767,575.76	36.21946983	-107.68252230
3,037.00	28.22	72.620	2,820.79	258.84	865.09	1,899,232.83	2,767,620.12	36.21950639	-107.68237183
3,132.00	27.28	70.950	2,904.86	272.66	907.11	1,899,246.65	2,767,662.14	36.21954416	-107.68222932
3,227.00	27.41	70.250	2,989.24	287.15	948.26	1,899,261.15	2,767,703.30	36.21958381	-107.68208970
3,322.00	26.51	68.760	3,073.92	302.22	988.61	1,899,276.22	2,767,743.64	36.21962503	-107.68195285
3,417.00	25.49	68.360	3,159.30	317.44	1,027.37	1,899,291.44	2,767,782.40	36.21966668	-107.68182135
3,512.00	25.39	72.000	3,245.10	331.27	1,065.75	1,899,305.27	2,767,820.78	36.21970451	-107.68169118
3,606.00	25.53	71.920	3,329.97	343.79	1,104.17	1,899,317.78	2,767,859.20	36.21973873	-107.68156086
3,701.00	24.18	70.880	3,416.17	356.52	1,142.01	1,899,330.51	2,767,897.05	36.21977352	-107.68143248
3,796.00	21.45	71.420	3,503.73	368.42	1,176.87	1,899,342.42	2,767,931.90	36.21980609	-107.68131426
3,890.00	19.12	72.720	3,591.89	378.48	1,207.86	1,899,352.47	2,767,962.90	36.21983357	-107.68120912
3,985.00	17.00	75.360	3,682.21	386.61	1,236.16	1,899,360.60	2,767,991.19	36.21985579	-107.68111314
4,080.00	13.67	74.960	3,773.81	393.03	1,260.45	1,899,367.03	2,768,015.48	36.21987333	-107.68103078
4,174.00	11.63	79.630	3,865.53	397.62	1,280.49	1,899,371.62	2,768,035.53	36.21988585	-107.68096278
4,269.00	9.21	83.060	3,958.96	400.26	1,297.46	1,899,374.26	2,768,052.49	36.21989304	-107.68090524
4,364.00	6.66	79.000	4,053.04	402.23	1,310.42	1,899,376.23	2,768,065.45	36.21989839	-107.68086130
4,459.00	4.44	77.040	4,147.59	404.11	1,319.41	1,899,378.10	2,768,074.44	36.21990351	-107.68083081
4,554.00	1.60	89.680	4,242.45	404.94	1,324.32	1,899,378.94	2,768,079.35	36.21990577	-107.68081415
4,649.00	1.42	217.010	4,337.43	404.01	1,324.94	1,899,378.00	2,768,079.97	36.21990321	-107.68081206
4,680.00	1.30	217.010	4,368.42	403.42	1,324.50	1,899,377.42	2,768,079.53	36.21990159	-107.68081357
4,712.00	0.55	245.580	4,400.42	403.07	1,324.14	1,899,377.06	2,768,079.17	36.21990063	-107.68081479
4,744.00	0.96	107.820	4,432.42	402.92	1,324.26	1,899,376.92	2,768,079.29	36.21990023	-107.68081439
4,775.00	4.58	114.870	4,463.38	402.32	1,325.63	1,899,376.32	2,768,080.66	36.21989857	-107.68080975
4,807.00	8.27	116.360	4,495.17	400.76	1,328.85	1,899,374.76	2,768,083.88	36.21989427	-107.68079884
4,838.00	11.17	115.550	4,525.72	398.48	1,333.56	1,899,372.47	2,768,088.59	36.21988797	-107.68078289
4,870.00	14.21	117.480	4,556.94	395.33	1,339.84	1,899,369.32	2,768,094.87	36.21987929	-107.68076161
4,901.00	17.12	120.900	4,586.78	391.23	1,347.13	1,899,365.22	2,768,102.16	36.21986800	-107.68073690
4,933.00	19.54	121.910	4,617.16	385.98	1,355.72	1,899,359.97	2,768,110.75	36.21985354	-107.68070783
4,965.00	22.47	122.120	4,647.03	379.90	1,365.44	1,899,353.89	2,768,120.47	36.21983680	-107.68067489
4,996.00	25.25	123.750	4,675.37	373.07	1,375.96	1,899,347.07	2,768,130.99	36.21981800	-107.68063927
5,028.00	27.96	125.310	4,703.98	364.94	1,387.76	1,899,338.94	2,768,142.79	36.21979562	-107.68059932
5,059.00	30.98	126.920	4,730.97	355.95	1,400.07	1,899,329.94	2,768,155.10	36.21977086	-107.68055762
5,091.00	33.65	128.750	4,758.01	345.45	1,413.57	1,899,319.44	2,768,168.60	36.21974196	-107.68051191
5,122.00	36.08	131.110	4,783.45	334.07	1,427.15	1,899,308.06	2,768,182.18	36.21971064	-107.68046593
5,144.00	39.24	133.160	4,800.86	325.05	1,437.11	1,899,299.04	2,768,192.14	36.21968581	-107.68043222
5,186.00	42.00	135.150	4,832.74	306.00	1,456.71	1,899,279.99	2,768,211.74	36.21963338	-107.68036585



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Bettonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Bettonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,217.00	44.95	135.120	4,855.23	290.88	1,471.76	1,899,264.87	2,768,226.79	36.21959179	-107.68031493
5,249.00	48.28	133.680	4,877.21	274.62	1,488.38	1,899,248.61	2,768,243.41	36.21954705	-107.68025868
5,280.00	51.46	132.080	4,897.19	258.50	1,505.75	1,899,232.49	2,768,260.78	36.21950269	-107.68019987
5,312.00	55.50	131.700	4,916.23	241.33	1,524.89	1,899,215.33	2,768,279.92	36.21945545	-107.68013507
5,343.00	60.13	131.850	4,932.74	223.86	1,544.45	1,899,197.85	2,768,299.48	36.21940736	-107.68006885
5,375.00	64.73	132.510	4,947.54	204.81	1,565.46	1,899,178.81	2,768,320.49	36.21935495	-107.67999772
5,406.00	68.93	132.780	4,959.74	185.51	1,586.42	1,899,159.50	2,768,341.45	36.21930183	-107.67992677
5,416.99	69.92	132.679	4,963.60	178.53	1,593.97	1,899,152.52	2,768,349.01	36.21928263	-107.67990119
FTP @ 5416.99 MD 4963.60 TVD									
5,438.00	71.82	132.490	4,970.49	165.10	1,608.59	1,899,139.09	2,768,363.62	36.21924566	-107.67985171
5,469.00	74.23	132.780	4,979.54	145.02	1,630.40	1,899,119.01	2,768,385.43	36.21919040	-107.67977788
5,497.00	76.15	133.420	4,986.69	126.52	1,650.17	1,899,100.51	2,768,405.20	36.21913951	-107.67971097
330 ppd @ 5497.00 MD 4986.69 TVD									
5,501.00	76.43	133.510	4,987.64	123.85	1,652.99	1,899,097.84	2,768,408.02	36.21913215	-107.67970142
5,575.00	79.39	135.031	5,003.14	73.34	1,704.79	1,899,047.33	2,768,459.82	36.21899318	-107.67952608
9 5/8" Shoe @ 5575.00 MD 5003.14 TVD									
5,611.00	80.83	135.760	5,009.32	48.09	1,729.69	1,899,022.08	2,768,484.72	36.21892371	-107.67944179
5,642.00	81.56	135.890	5,014.07	26.12	1,751.04	1,899,000.11	2,768,506.07	36.21886326	-107.67936954
5,673.00	84.02	136.720	5,017.96	3.88	1,772.28	1,898,977.88	2,768,527.31	36.21880209	-107.67929764
5,705.00	86.67	137.830	5,020.55	-19.54	1,793.92	1,898,954.45	2,768,548.95	36.21873763	-107.67922441
5,736.00	87.75	138.570	5,022.06	-42.63	1,814.56	1,898,931.37	2,768,569.59	36.21867414	-107.67915457
5,768.00	88.13	138.580	5,023.21	-66.60	1,835.71	1,898,907.39	2,768,590.75	36.21860817	-107.67908297
5,799.00	89.27	138.160	5,023.92	-89.77	1,856.30	1,898,884.23	2,768,611.33	36.21854445	-107.67901329
5,893.00	90.92	137.710	5,023.76	-159.55	1,919.28	1,898,814.44	2,768,674.31	36.21835248	-107.67880017
5,987.00	90.72	137.640	5,022.42	-229.04	1,982.56	1,898,744.95	2,768,737.60	36.21816130	-107.67858600
6,080.00	90.90	135.910	5,021.10	-296.80	2,046.25	1,898,677.20	2,768,801.28	36.21797489	-107.67837047
6,174.00	91.05	135.560	5,019.50	-364.10	2,111.85	1,898,609.89	2,768,866.88	36.21778971	-107.67814844
6,268.00	90.88	135.380	5,017.92	-431.11	2,177.76	1,898,542.89	2,768,932.79	36.21760536	-107.67792535
6,362.00	90.88	135.150	5,016.47	-497.87	2,243.91	1,898,476.12	2,768,998.94	36.21742165	-107.67770145
6,456.00	90.86	135.300	5,015.05	-564.59	2,310.11	1,898,409.40	2,769,065.14	36.21723807	-107.67747740
6,550.00	90.47	135.120	5,013.96	-631.30	2,376.33	1,898,342.70	2,769,131.36	36.21705453	-107.67725327
6,643.00	90.29	134.930	5,013.34	-697.09	2,442.06	1,898,276.91	2,769,197.09	36.21687352	-107.67703079
6,737.00	90.43	134.960	5,012.75	-763.49	2,508.59	1,898,210.51	2,769,263.62	36.21669081	-107.67680561
6,831.00	90.45	134.560	5,012.03	-829.68	2,575.34	1,898,144.32	2,769,330.36	36.21650869	-107.67657971
6,926.00	90.57	134.430	5,011.18	-896.26	2,643.10	1,898,077.74	2,769,398.13	36.21632550	-107.67635036
7,019.00	90.17	134.110	5,010.58	-961.17	2,709.69	1,898,012.82	2,769,464.72	36.21614687	-107.67612496
7,113.00	90.17	134.420	5,010.30	-1,026.78	2,777.00	1,897,947.22	2,769,532.03	36.21596634	-107.67589712
7,207.00	90.39	134.660	5,009.84	-1,092.71	2,844.00	1,897,881.28	2,769,599.03	36.21578492	-107.67567036
7,300.00	90.14	134.580	5,009.41	-1,158.03	2,910.20	1,897,815.96	2,769,665.23	36.21560518	-107.67544631
7,394.00	90.06	134.420	5,009.25	-1,223.92	2,977.24	1,897,750.08	2,769,732.27	36.21542388	-107.67521939
7,489.00	90.31	134.750	5,008.94	-1,290.61	3,044.90	1,897,683.39	2,769,799.93	36.21524039	-107.67499039
7,583.00	89.64	134.950	5,008.98	-1,356.90	3,111.54	1,897,617.10	2,769,866.57	36.21505797	-107.67476484
7,677.00	89.41	134.530	5,009.76	-1,423.06	3,178.31	1,897,550.93	2,769,933.34	36.21487592	-107.67453887
7,771.00	89.26	134.270	5,010.85	-1,488.83	3,245.47	1,897,485.17	2,770,000.49	36.21469496	-107.67431158
7,865.00	89.06	135.530	5,012.23	-1,555.17	3,312.04	1,897,418.83	2,770,067.07	36.21451241	-107.67408626
7,959.00	91.03	135.950	5,012.16	-1,622.49	3,377.64	1,897,351.51	2,770,132.67	36.21432718	-107.67386425
8,053.00	91.26	136.670	5,010.28	-1,690.44	3,442.56	1,897,283.55	2,770,197.59	36.21414021	-107.67364456
8,147.00	91.23	136.770	5,008.24	-1,758.86	3,506.99	1,897,215.14	2,770,262.01	36.21395197	-107.67342653
8,241.00	91.39	136.680	5,006.09	-1,827.28	3,571.41	1,897,146.72	2,770,326.43	36.21376372	-107.67320853
8,335.00	90.77	136.180	5,004.32	-1,895.38	3,636.18	1,897,078.62	2,770,391.21	36.21357637	-107.67298932
8,429.00	90.98	135.220	5,002.88	-1,962.64	3,701.83	1,897,011.36	2,770,456.85	36.21339129	-107.67276717
8,524.00	90.49	134.630	5,001.66	-2,029.72	3,769.08	1,896,944.28	2,770,524.11	36.21320670	-107.67253955
8,618.00	89.28	132.450	5,001.85	-2,094.47	3,837.22	1,896,879.53	2,770,592.24	36.21302852	-107.67230895
8,712.00	88.59	133.480	5,003.60	-2,158.52	3,905.99	1,896,815.47	2,770,661.02	36.21285225	-107.67207617
8,806.00	87.99	135.620	5,006.40	-2,224.43	3,972.95	1,896,749.56	2,770,727.97	36.21267088	-107.67184957



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 721H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	MD Reference:	RKB=6837+25 @ 6862.00ft (Aztec 1000)
Well:	Betonnie Tsosie Wash Unit 721H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,900.00	87.23	135.260	5,010.32	-2,291.35	4,038.84	1,896,682.65	2,770,793.87	36.21248675	-107.67162657
8,994.00	88.99	137.100	5,013.42	-2,359.13	4,103.89	1,896,614.87	2,770,858.91	36.21230026	-107.67140646
9,088.00	91.34	138.170	5,013.15	-2,428.58	4,167.22	1,896,545.42	2,770,922.25	36.21210919	-107.67119215
9,182.00	91.19	137.660	5,011.08	-2,498.33	4,230.21	1,896,475.67	2,770,985.24	36.21191730	-107.67097903
9,276.00	90.62	137.640	5,009.59	-2,567.79	4,293.53	1,896,406.21	2,771,048.55	36.21172620	-107.67076479
9,371.00	90.72	137.880	5,008.48	-2,638.11	4,357.38	1,896,335.89	2,771,112.41	36.21153271	-107.67054872
9,465.00	90.56	137.980	5,007.43	-2,707.89	4,420.36	1,896,266.11	2,771,175.39	36.21134074	-107.67033562
9,560.00	90.66	137.820	5,006.42	-2,778.37	4,484.05	1,896,195.63	2,771,239.08	36.21114682	-107.67012014
9,654.00	91.44	136.090	5,004.70	-2,847.05	4,548.20	1,896,126.95	2,771,303.22	36.21095785	-107.66990308
9,748.00	90.92	136.000	5,002.76	-2,914.71	4,613.43	1,896,059.29	2,771,368.45	36.21077170	-107.66968234
9,842.00	90.00	134.770	5,002.01	-2,981.62	4,679.44	1,895,992.38	2,771,434.47	36.21058759	-107.66945894
9,936.00	89.57	134.180	5,002.36	-3,047.47	4,746.52	1,895,926.53	2,771,501.54	36.21040636	-107.66923195
10,030.00	89.50	134.240	5,003.12	-3,113.02	4,813.89	1,895,860.98	2,771,568.92	36.21022600	-107.66900394
10,124.00	89.11	134.200	5,004.26	-3,178.57	4,881.26	1,895,795.43	2,771,636.28	36.21004561	-107.66877597
10,219.00	90.49	134.820	5,004.59	-3,245.16	4,949.00	1,895,728.84	2,771,704.02	36.20986235	-107.66854671
10,313.00	90.21	134.230	5,004.02	-3,311.08	5,016.02	1,895,662.92	2,771,771.04	36.20968097	-107.66831993
10,407.00	90.47	134.000	5,003.46	-3,376.51	5,083.50	1,895,597.49	2,771,838.52	36.20950090	-107.66809154
10,502.00	89.70	133.750	5,003.32	-3,442.35	5,151.98	1,895,531.65	2,771,907.01	36.20931971	-107.66785979
10,595.00	89.39	133.820	5,004.06	-3,506.70	5,219.12	1,895,467.30	2,771,974.14	36.20914262	-107.66763258
10,689.00	89.22	134.560	5,005.20	-3,572.22	5,286.52	1,895,401.78	2,772,041.54	36.20896232	-107.66740451
10,783.00	88.70	133.830	5,006.91	-3,637.73	5,353.90	1,895,336.27	2,772,108.92	36.20878203	-107.66717647
10,876.00	90.52	135.610	5,007.54	-3,703.17	5,419.97	1,895,270.84	2,772,175.00	36.20860197	-107.66695288
10,970.00	89.47	135.620	5,007.55	-3,770.34	5,485.72	1,895,203.66	2,772,240.75	36.20841712	-107.66673040
11,064.00	88.81	134.640	5,008.96	-3,836.95	5,552.03	1,895,137.05	2,772,307.05	36.20823382	-107.66650602
11,158.00	91.10	136.380	5,009.03	-3,904.00	5,617.90	1,895,070.00	2,772,372.92	36.20804932	-107.66628314
11,252.00	90.71	136.500	5,007.55	-3,972.11	5,682.67	1,895,001.89	2,772,437.69	36.20786191	-107.66606399
11,346.00	90.42	136.410	5,006.62	-4,040.24	5,747.42	1,894,933.76	2,772,502.45	36.20767444	-107.66584489
11,440.00	90.35	136.120	5,005.99	-4,108.16	5,812.41	1,894,865.84	2,772,567.43	36.20748756	-107.66562501
11,534.00	89.04	134.710	5,006.49	-4,175.10	5,878.39	1,894,798.90	2,772,633.41	36.20730335	-107.66540175
11,628.00	91.05	134.900	5,006.42	-4,241.34	5,945.08	1,894,732.66	2,772,700.10	36.20712107	-107.66517608
11,701.00	90.31	133.550	5,005.55	-4,292.25	5,997.38	1,894,681.75	2,772,752.41	36.20698096	-107.66499908
Survey @ 11701.00 MD 5005.55 TVD									
11,716.00	90.31	133.550	5,005.47	-4,302.59	6,008.26	1,894,671.42	2,772,763.28	36.20695252	-107.66496229
LTP @ 11716.00 MD 5005.47 TVD									
11,760.00	90.31	133.550	5,005.23	-4,332.90	6,040.14	1,894,641.10	2,772,795.17	36.20686909	-107.66485437
Survey proj. to 11760 MD 5005.23 TVD 621 FSL 1453 FEL									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
418.00	417.85	-9.45	-1.38	MWD surveys	
5,416.99	4,963.60	178.53	1,593.97	FTP @ 5416.99 MD 4963.60 TVD	
5,497.00	4,986.69	126.52	1,650.17	330 ppd @ 5497.00 MD 4986.69 TVD	
5,575.00	5,003.14	73.34	1,704.79	9 5/8" Shoe @ 5575.00 MD 5003.14 TVD	
11,701.00	5,005.55	-4,292.25	5,997.38	Survey @ 11701.00 MD 5005.55 TVD	
11,716.00	5,005.47	-4,302.59	6,008.26	LTP @ 11716.00 MD 5005.47 TVD	
11,760.00	5,005.23	-4,332.90	6,040.14	Survey proj. to 11760 MD 5005.23 TVD 621 FSL 1453 FEL	

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 351450

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 351450
	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 351450

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 351450
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 9/20/2024.	6/17/2024