

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 30-045-38327	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 305H

II. ¹⁰ Surface Location

UL or lot no. B	Section 21	Township 23N	Range 08W	Lot Idn	Feet from the 406'	North/South line North	Feet from the 2059'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. B	Section 27	Township 23N	Range 08W	Lot Idn	Feet from the 323'	North/South line North	Feet from the 2200'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code: F		¹⁴ Gas Connection Date TBD		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refining Company, LP	O
	6500 Townbridge Drive, El Paso, TX 79905	
151618	Enterprise Field Services, LLC	G
	Post Office Box 4503, Houston, TX 77001	

IV. Well Completion Data

²¹ Spud Date 4/5/2024	²² Ready Date 6/21/2024	²³ TD 12,857' MD 5,001' TVD	²⁴ PBTD 12,834' MD 5,001' TVD	²⁵ Perforations 5,310' – 12,788' MD 4,983' – 5,014' TVD FracSleeve @ 12,808'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12.25"		9.625" 36# J55		370'	
8.75"		7" 26# J55		5,297'	
6.125"		4.5" 11.6# P110		TOL: 5,150' BOL: 12,847'	

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>6/17/2024</i>	
Date: 6/6/2024	Phone: 505-716-3297	<i>RT EXPIRES 9/21/2024</i>	

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

☒ AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38327	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 305H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6837'

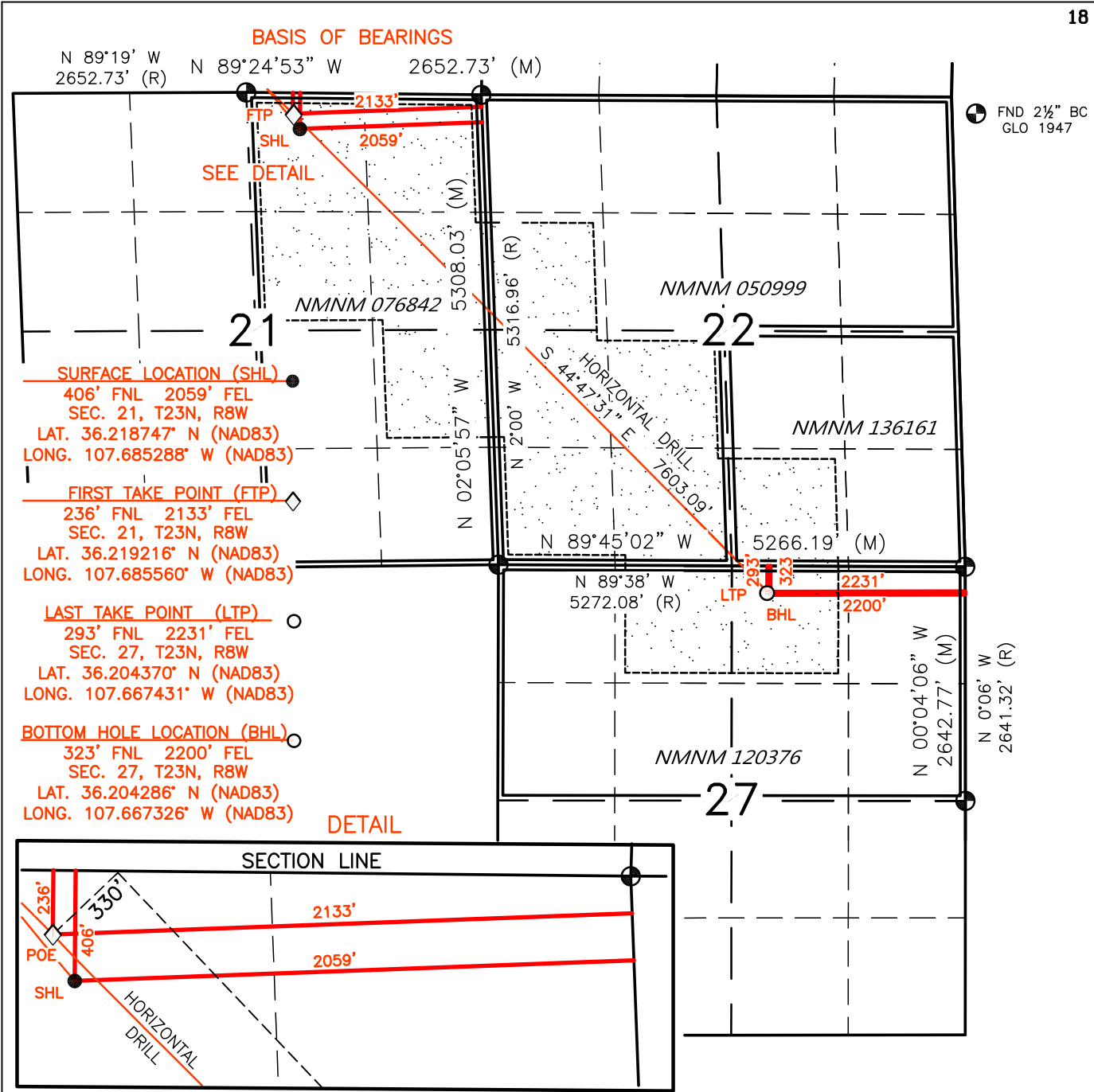
¹⁰ Surface Location									
UL or lot no. B	Section 21	Township 23N	Range 8W	Lot Idn	Feet from the 406'	North/South line NORTH	Feet from the 2059'	East/West line EAST	County SAN JUAN

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. B	Section 27	Township 23N	Range 8W	Lot Idn	Feet from the 323'	North/South line NORTH	Feet from the 2200'	East/West line EAST	County SAN JUAN

¹² Dedicated Acres SEC 21: NE/4 & NE/SE (200 AC.); SEC 22: SW/NW, SW/4 & SW/SE (240 AC.); SEC 27: NE/NW & NW/NE (80 AC.) = 520 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13930 R-13930A
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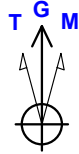
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16





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



Azimuths to Grid North
 True North: -0.09°
 Magnetic North: 8.38°

Magnetic Field
 Strength: 49018.8nT
 Dip Angle: 62.68°
 Date: 4/23/2024
 Model: IGRF2020

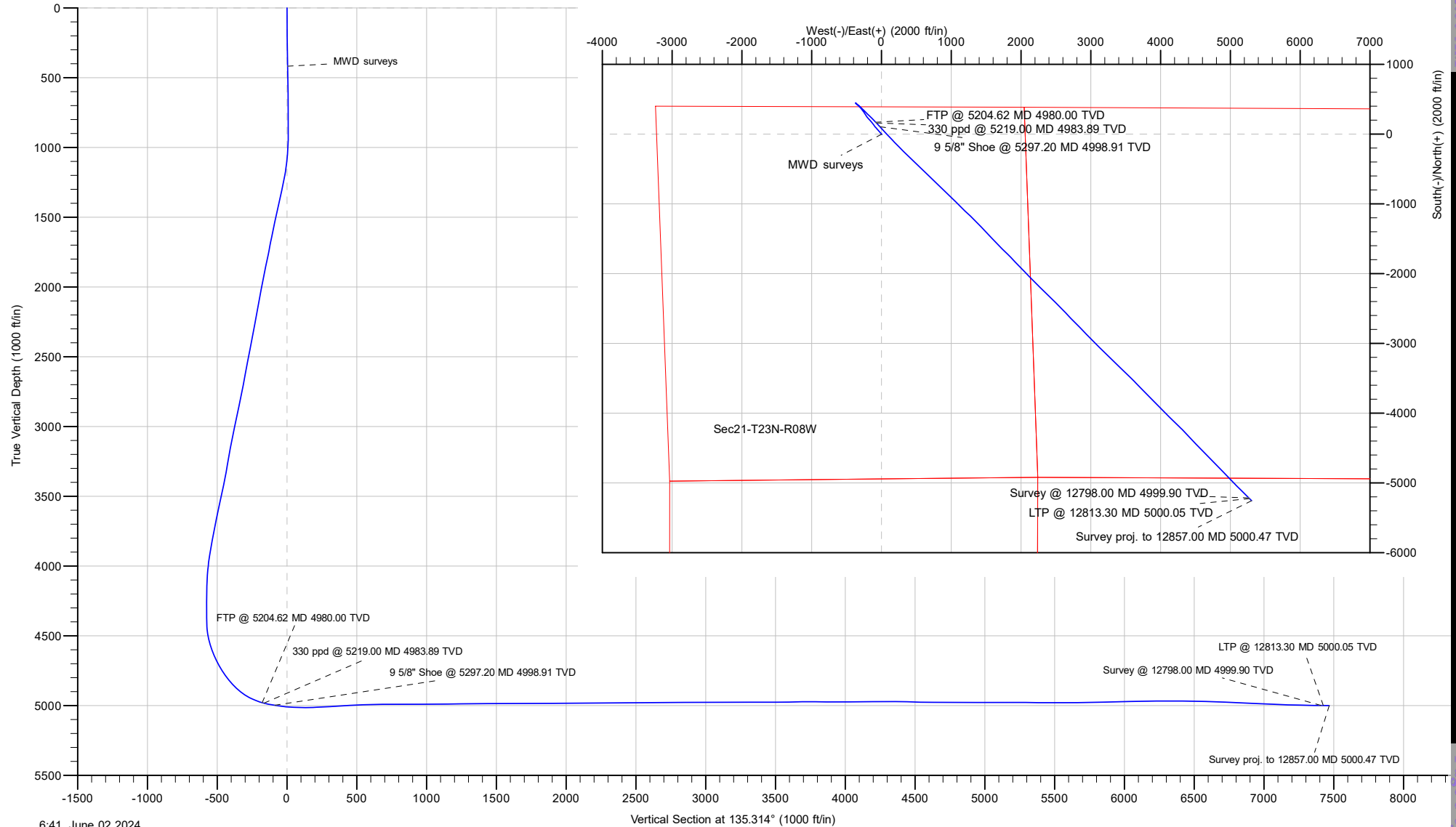
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6837+25 @ 6862.00ft (Aztec 1000)

Surface location:
 Northing 1898955.07 Easting 2766760.37 Latitude 36.21874700 Longitude -107.68528800

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.38°

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
419.00	1.48	104.940	418.95	-1.40	5.23	4.67	MWD surveys
5204.62	73.60	136.457	4980.00	170.68	-80.55	-177.99	FTP @ 5204.62 MD 4980.00 TVD
5219.00	75.06	136.540	4983.89	160.64	-71.03	-164.16	330 ppd @ 5219.00 MD 4983.89 TVD
5297.20	81.48	137.640	4998.91	104.65	-18.60	-87.48	9 5/8" Shoe @ 5297.20 MD 4998.91 TVD
12798.00	89.45	134.400	4999.90	-5214.31	5265.16	7409.80	Survey @ 12798.00 MD 4999.90 TVD
12813.30	89.45	134.400	5000.05	-5225.02	5276.09	7425.10	LTP @ 12813.30 MD 5000.05 TVD
12857.00	89.45	134.400	5000.47	-5255.59	5307.32	7468.79	Survey proj. to 12857.00 MD 5000.47 TVD



6:41, June 02 2024



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	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 "	

Well	Betonnie Tsosie Wash Unit 305H, Surf loc: 406 FNL 2059 FEL Section 21-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,898,955.07 usft	Latitude:	36.21874700
	+E/-W	0.00 ft	Easting:	2,766,760.37 usft	Longitude:	-107.68528800
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,837.00 ft
Grid Convergence:		0.09 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/23/2024	8.47	62.68	49,018.84097179

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	135.314	

Survey Program	Date	6/2/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
419.00	5,249.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,318.00	12,798.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,857.00	12,857.00	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
419.00	1.48	104.940	418.95	-1.40	5.23	4.67	0.35	0.35	0.00
MWD surveys									
513.00	1.64	112.620	512.92	-2.23	7.64	6.96	0.28	0.17	8.17
608.00	0.31	154.440	607.90	-2.98	9.01	8.45	1.50	-1.40	44.02
703.00	0.39	187.100	702.90	-3.53	9.08	8.90	0.22	0.08	34.38
798.00	0.25	182.370	797.90	-4.06	9.03	9.24	0.15	-0.15	-4.98
892.00	0.38	159.750	891.90	-4.56	9.13	9.66	0.19	0.14	-24.06



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	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	2.39	305.840	986.87	-3.69	7.63	7.99	2.86	2.12	153.78
1,082.00	5.83	316.450	1,081.62	0.96	2.70	1.21	3.69	3.62	11.17
1,174.00	9.04	316.710	1,172.83	9.61	-5.48	-10.69	3.49	3.49	0.28
1,265.00	12.12	319.170	1,262.27	22.05	-16.63	-27.37	3.42	3.38	2.70
1,357.00	12.54	315.980	1,352.15	36.54	-29.88	-46.99	0.87	0.46	-3.47
1,447.00	12.39	318.320	1,440.03	50.78	-43.09	-66.40	0.59	-0.17	2.60
1,538.00	11.89	317.560	1,529.00	64.99	-55.91	-85.52	0.58	-0.55	-0.84
1,629.00	11.98	322.770	1,618.03	79.43	-67.95	-104.25	1.19	0.10	5.73
1,720.00	10.82	314.430	1,707.24	92.93	-79.77	-122.16	2.21	-1.27	-9.16
1,810.00	11.83	324.420	1,795.50	106.34	-91.17	-139.72	2.45	1.12	11.10
1,900.00	11.92	326.890	1,883.57	121.63	-101.61	-157.93	0.57	0.10	2.74
1,994.00	11.02	322.990	1,975.69	136.94	-112.32	-176.35	1.26	-0.96	-4.15
2,089.00	10.60	320.650	2,069.01	150.95	-123.33	-194.05	0.64	-0.44	-2.46
2,184.00	10.23	318.940	2,162.44	164.06	-134.41	-211.16	0.51	-0.39	-1.80
2,279.00	10.42	319.280	2,255.90	176.94	-145.56	-228.15	0.21	0.20	0.36
2,374.00	10.70	318.290	2,349.30	190.03	-157.03	-245.53	0.35	0.29	-1.04
2,468.00	10.96	318.680	2,441.62	203.26	-168.73	-263.17	0.29	0.28	0.41
2,563.00	11.22	319.540	2,534.85	217.07	-180.69	-281.40	0.32	0.27	0.91
2,658.00	11.21	320.010	2,628.03	231.18	-192.63	-299.82	0.10	-0.01	0.49
2,753.00	10.53	318.900	2,721.33	244.79	-204.27	-317.69	0.75	-0.72	-1.17
2,848.00	11.38	322.720	2,814.60	258.79	-215.65	-335.65	1.18	0.89	4.02
2,943.00	12.39	329.340	2,907.56	275.02	-226.53	-354.83	1.78	1.06	6.97
3,037.00	12.05	329.260	2,999.43	292.13	-236.68	-374.14	0.36	-0.36	-0.09
3,132.00	11.48	327.070	3,092.44	308.59	-246.89	-393.02	0.76	-0.60	-2.31
3,227.00	10.88	324.680	3,185.64	323.84	-257.22	-411.12	0.80	-0.63	-2.52
3,322.00	9.61	320.720	3,279.12	337.29	-267.42	-427.86	1.53	-1.34	-4.17
3,417.00	10.68	320.330	3,372.63	350.21	-278.06	-444.52	1.13	1.13	-0.41
3,512.00	12.45	322.000	3,465.70	365.05	-289.98	-463.46	1.90	1.86	1.76
3,607.00	12.03	318.570	3,558.54	380.54	-302.84	-483.52	0.88	-0.44	-3.61
3,702.00	11.58	315.930	3,651.53	394.82	-316.02	-502.94	0.74	-0.47	-2.78
3,796.00	10.92	312.920	3,743.73	407.66	-329.11	-521.27	0.94	-0.70	-3.20
3,891.00	10.68	311.240	3,837.05	419.59	-342.32	-539.04	0.42	-0.25	-1.77
3,985.00	8.55	313.580	3,929.72	430.15	-353.93	-554.71	2.30	-2.27	2.49
4,080.00	5.34	322.550	4,024.01	438.53	-361.73	-566.16	3.56	-3.38	9.44
4,175.00	2.83	334.680	4,118.77	444.16	-365.43	-572.76	2.78	-2.64	12.77
4,270.00	0.38	310.200	4,213.72	446.49	-366.67	-575.29	2.62	-2.58	-25.77
4,365.00	0.49	221.490	4,308.72	446.38	-367.18	-575.57	0.65	0.12	-93.38
4,396.00	0.42	204.600	4,339.72	446.18	-367.31	-575.53	0.49	-0.23	-54.48
4,428.00	0.65	202.210	4,371.72	445.91	-367.43	-575.41	0.72	0.72	-7.47
4,460.00	1.65	158.150	4,403.71	445.31	-367.33	-574.92	3.96	3.13	-137.69
4,491.00	4.14	145.290	4,434.67	443.98	-366.53	-573.40	8.25	8.03	-41.48
4,523.00	6.74	135.770	4,466.52	441.68	-364.56	-570.39	8.57	8.13	-29.75
4,555.00	9.35	130.500	4,498.21	438.65	-361.27	-565.92	8.47	8.16	-16.47



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	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)	
4,586.00	12.86	129.550	4,528.62	434.81	-356.69	-559.98	11.34	11.32	-3.06	
4,618.00	16.40	127.410	4,559.58	429.80	-350.36	-551.95	11.19	11.06	-6.69	
4,649.00	19.14	127.820	4,589.10	424.02	-342.87	-542.58	8.85	8.84	1.32	
4,681.00	22.33	129.330	4,619.02	416.95	-334.02	-531.33	10.11	9.97	4.72	
4,713.00	24.75	129.860	4,648.36	408.81	-324.17	-518.61	7.59	7.56	1.66	
4,744.00	26.45	129.370	4,676.31	400.27	-313.85	-505.29	5.53	5.48	-1.58	
4,776.00	28.29	130.560	4,704.73	390.81	-302.58	-490.64	6.00	5.75	3.72	
4,807.00	30.25	132.280	4,731.77	380.78	-291.22	-475.52	6.88	6.32	5.55	
4,839.00	32.52	135.090	4,759.09	369.27	-279.18	-458.87	8.44	7.09	8.78	
4,870.00	35.53	136.590	4,784.78	356.82	-267.11	-441.52	10.08	9.71	4.84	
4,902.00	38.59	136.950	4,810.31	342.77	-253.90	-422.25	9.59	9.56	1.13	
4,933.00	41.34	135.780	4,834.07	328.36	-240.16	-402.34	9.20	8.87	-3.77	
4,965.00	44.26	134.610	4,857.55	312.94	-224.84	-380.60	9.46	9.13	-3.66	
4,997.00	47.60	133.200	4,879.80	297.01	-208.27	-357.62	10.91	10.44	-4.41	
5,028.00	50.95	132.950	4,900.02	280.97	-191.11	-334.15	10.82	10.81	-0.81	
5,060.00	55.64	133.750	4,919.14	263.36	-172.46	-308.52	14.79	14.66	2.50	
5,091.00	59.84	134.660	4,935.69	245.08	-153.68	-282.31	13.77	13.55	2.94	
5,123.00	64.13	134.880	4,950.71	225.19	-133.63	-254.07	13.42	13.41	0.69	
5,154.00	67.70	135.500	4,963.36	205.11	-113.69	-225.77	11.66	11.52	2.00	
5,186.00	71.74	136.340	4,974.45	183.55	-92.81	-195.77	12.86	12.63	2.63	
5,204.62	73.60	136.457	4,980.00	170.68	-80.55	-177.99	9.99	9.97	0.63	
FTP @ 5204.62 MD 4980.00 TVD										
5,218.00	74.93	136.540	4,983.63	161.34	-71.69	-165.12	9.99	9.97	0.62	
5,219.00	75.06	136.540	4,983.89	160.64	-71.03	-164.16	12.55	12.55	0.00	
330 ppd @ 5219.00 MD 4983.89 TVD										
5,249.00	78.82	136.540	4,990.67	139.43	-50.93	-134.94	12.55	12.55	0.00	
5,297.20	81.48	137.640	4,998.91	104.65	-18.60	-87.48	5.96	5.52	2.28	
9 5/8" Shoe @ 5297.20 MD 4998.91 TVD										
5,318.00	82.63	138.110	5,001.79	89.37	-4.78	-66.90	5.96	5.53	2.26	
5,349.00	82.95	137.590	5,005.68	66.57	15.86	-36.18	1.96	1.03	-1.68	
5,381.00	84.36	137.280	5,009.21	43.15	37.37	-4.40	4.51	4.41	-0.97	
5,412.00	86.00	137.180	5,011.82	20.47	58.35	26.48	5.30	5.29	-0.32	
5,443.00	88.33	136.930	5,013.35	-2.19	79.44	57.42	7.56	7.52	-0.81	
5,474.00	89.12	136.850	5,014.04	-24.82	100.62	88.40	2.56	2.55	-0.26	
5,505.00	89.25	136.830	5,014.48	-47.43	121.82	119.39	0.42	0.42	-0.06	
5,600.00	92.64	135.760	5,012.91	-116.08	187.44	214.35	3.74	3.57	-1.13	
5,694.00	93.13	135.170	5,008.18	-183.00	253.28	308.23	0.82	0.52	-0.63	
5,788.00	94.02	135.140	5,002.32	-249.52	319.44	402.04	0.95	0.95	-0.03	
5,882.00	92.85	133.560	4,996.69	-315.11	386.54	495.85	2.09	-1.24	-1.68	
5,977.00	91.32	134.030	4,993.23	-380.81	455.06	590.75	1.68	-1.61	0.49	
6,069.00	90.13	133.720	4,992.07	-444.57	521.37	682.72	1.34	-1.29	-0.34	
6,163.00	90.56	133.470	4,991.50	-509.39	589.45	776.67	0.53	0.46	-0.27	
6,257.00	90.11	134.720	4,990.95	-574.79	656.96	870.65	1.41	-0.48	1.33	
6,351.00	90.14	134.620	4,990.75	-640.88	723.81	964.64	0.11	0.03	-0.11	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 305H
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 305H	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)
6,445.00	90.26	134.210	4,990.42	-706.66	790.95	1,058.63	0.45	0.13	-0.44
6,539.00	90.58	133.500	4,989.73	-771.79	858.73	1,152.60	0.83	0.34	-0.76
6,633.00	91.02	133.330	4,988.42	-836.38	927.00	1,246.53	0.50	0.47	-0.18
6,727.00	90.12	134.620	4,987.48	-901.65	994.64	1,340.50	1.67	-0.96	1.37
6,821.00	90.56	134.530	4,986.93	-967.62	1,061.60	1,434.49	0.48	0.47	-0.10
6,915.00	90.90	134.660	4,985.73	-1,033.61	1,128.53	1,528.48	0.39	0.36	0.14
7,009.00	90.45	134.010	4,984.62	-1,099.30	1,195.76	1,622.46	0.84	-0.48	-0.69
7,102.00	90.11	133.160	4,984.17	-1,163.41	1,263.13	1,715.41	0.98	-0.37	-0.91
7,196.00	89.86	135.660	4,984.19	-1,229.19	1,330.27	1,809.39	2.67	-0.27	2.66
7,290.00	89.74	135.540	4,984.52	-1,296.35	1,396.04	1,903.39	0.18	-0.13	-0.13
7,383.00	89.93	135.410	4,984.79	-1,362.65	1,461.25	1,996.39	0.25	0.20	-0.14
7,478.00	90.11	136.990	4,984.75	-1,431.22	1,527.00	2,091.37	1.67	0.19	1.66
7,572.00	91.54	136.900	4,983.40	-1,499.89	1,591.17	2,185.32	1.52	1.52	-0.10
7,666.00	91.53	136.730	4,980.88	-1,568.41	1,655.47	2,279.26	0.18	-0.01	-0.18
7,760.00	90.00	134.650	4,979.63	-1,635.66	1,721.13	2,373.24	2.75	-1.63	-2.21
7,854.00	89.60	133.790	4,979.96	-1,701.22	1,788.49	2,467.22	1.01	-0.43	-0.91
7,948.00	89.99	136.400	4,980.29	-1,767.79	1,854.84	2,561.21	2.81	0.41	2.78
8,042.00	90.27	136.050	4,980.08	-1,835.66	1,919.87	2,655.20	0.48	0.30	-0.37
8,137.00	90.47	135.860	4,979.47	-1,903.95	1,985.92	2,750.19	0.29	0.21	-0.20
8,231.00	90.84	135.510	4,978.39	-1,971.20	2,051.58	2,844.18	0.54	0.39	-0.37
8,325.00	91.34	135.400	4,976.60	-2,038.18	2,117.51	2,938.16	0.54	0.53	-0.12
8,418.00	89.35	135.420	4,976.04	-2,104.41	2,182.79	3,031.16	2.14	-2.14	0.02
8,513.00	89.87	135.290	4,976.69	-2,171.99	2,249.55	3,126.16	0.56	0.55	-0.14
8,607.00	90.06	134.980	4,976.75	-2,238.62	2,315.86	3,220.16	0.39	0.20	-0.33
8,701.00	89.90	134.210	4,976.78	-2,304.61	2,382.80	3,314.15	0.84	-0.17	-0.82
8,795.00	90.13	133.470	4,976.75	-2,369.72	2,450.60	3,408.12	0.82	0.24	-0.79
8,889.00	90.56	135.600	4,976.19	-2,435.64	2,517.60	3,502.10	2.31	0.46	2.27
8,983.00	90.75	135.110	4,975.11	-2,502.52	2,583.65	3,596.09	0.56	0.20	-0.52
9,078.00	90.63	137.170	4,973.97	-2,571.01	2,649.46	3,691.07	2.17	-0.13	2.17
9,171.00	89.69	135.990	4,973.71	-2,638.55	2,713.38	3,784.05	1.62	-1.01	-1.27
9,265.00	89.80	135.170	4,974.13	-2,705.69	2,779.17	3,878.04	0.88	0.12	-0.87
9,360.00	90.25	134.980	4,974.09	-2,772.95	2,846.26	3,973.04	0.51	0.47	-0.20
9,455.00	90.38	136.730	4,973.56	-2,841.12	2,912.42	4,068.03	1.85	0.14	1.84
9,549.00	90.27	136.110	4,973.03	-2,909.21	2,977.22	4,162.01	0.67	-0.12	-0.66
9,643.00	89.82	134.790	4,972.96	-2,976.20	3,043.16	4,256.01	1.48	-0.48	-1.40
9,737.00	90.31	134.480	4,972.85	-3,042.24	3,110.05	4,350.00	0.62	0.52	-0.33
9,831.00	88.49	135.070	4,973.84	-3,108.44	3,176.78	4,443.99	2.04	-1.94	0.63
9,925.00	88.71	134.570	4,976.13	-3,174.68	3,243.43	4,537.96	0.58	0.23	-0.53
10,019.00	89.47	134.190	4,977.62	-3,240.42	3,310.61	4,631.93	0.90	0.81	-0.40
10,113.00	89.33	133.100	4,978.61	-3,305.29	3,378.62	4,725.89	1.17	-0.15	-1.16
10,208.00	90.41	133.300	4,978.82	-3,370.32	3,447.87	4,820.82	1.16	1.14	0.21
10,302.00	90.05	134.310	4,978.45	-3,435.39	3,515.71	4,914.78	1.14	-0.38	1.07
10,397.00	89.65	134.770	4,978.70	-3,502.02	3,583.42	5,009.77	0.64	-0.42	0.48
10,491.00	90.04	136.990	4,978.95	-3,569.50	3,648.86	5,103.76	2.40	0.41	2.36



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	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)
10,584.00	90.35	136.160	4,978.63	-3,637.04	3,712.79	5,196.74	0.95	0.33	-0.89
10,679.00	89.32	134.070	4,978.91	-3,704.34	3,779.82	5,291.73	2.45	-1.08	-2.20
10,772.00	90.01	135.440	4,979.45	-3,769.82	3,845.86	5,384.72	1.65	0.74	1.47
10,865.00	90.35	136.310	4,979.16	-3,836.58	3,910.61	5,477.72	1.00	0.37	0.94
10,959.00	89.75	134.680	4,979.08	-3,903.61	3,976.50	5,571.71	1.85	-0.64	-1.73
11,053.00	90.21	136.220	4,979.11	-3,970.60	4,042.44	5,665.71	1.71	0.49	1.64
11,147.00	91.10	134.780	4,978.04	-4,037.64	4,108.32	5,759.70	1.80	0.95	-1.53
11,241.00	91.48	134.190	4,975.92	-4,103.49	4,175.36	5,853.67	0.75	0.40	-0.63
11,336.00	91.58	133.260	4,973.38	-4,169.13	4,243.99	5,948.59	0.98	0.11	-0.98
11,430.00	91.03	135.390	4,971.24	-4,234.79	4,311.22	6,042.55	2.34	-0.59	2.27
11,523.00	91.15	136.810	4,969.47	-4,301.79	4,375.69	6,135.52	1.53	0.13	1.53
11,617.00	89.93	136.720	4,968.59	-4,370.27	4,440.07	6,229.49	1.30	-1.30	-0.10
11,711.00	90.25	136.460	4,968.44	-4,438.55	4,504.67	6,323.46	0.44	0.34	-0.28
11,805.00	89.32	136.090	4,968.79	-4,506.48	4,569.64	6,417.45	1.06	-0.99	-0.39
11,899.00	89.73	135.680	4,969.57	-4,573.96	4,635.07	6,511.44	0.62	0.44	-0.44
11,993.00	87.45	135.780	4,971.88	-4,641.25	4,700.67	6,605.40	2.43	-2.43	0.11
12,087.00	87.59	135.400	4,975.95	-4,708.34	4,766.38	6,699.31	0.43	0.15	-0.40
12,182.00	87.98	134.880	4,979.62	-4,775.62	4,833.34	6,794.24	0.68	0.41	-0.55
12,275.00	87.80	135.410	4,983.05	-4,841.51	4,898.89	6,887.18	0.60	-0.19	0.57
12,370.00	87.03	137.130	4,987.33	-4,910.08	4,964.49	6,982.06	1.98	-0.81	1.81
12,464.00	87.42	135.880	4,991.88	-4,978.19	5,029.12	7,075.93	1.39	0.41	-1.33
12,559.00	88.35	135.310	4,995.39	-5,046.01	5,095.54	7,170.86	1.15	0.98	-0.60
12,652.00	88.63	134.980	4,997.84	-5,111.92	5,161.12	7,263.83	0.47	0.30	-0.35
12,746.00	89.46	134.310	4,999.41	-5,177.96	5,227.98	7,357.81	1.13	0.88	-0.71
12,798.00	89.45	134.400	4,999.90	-5,214.31	5,265.16	7,409.80	0.17	-0.02	0.17
Survey @ 12798.00 MD 4999.90 TVD									
12,813.30	89.45	134.400	5,000.05	-5,225.02	5,276.09	7,425.10	0.00	0.00	0.00
LTP @ 12813.30 MD 5000.05 TVD									
12,857.00	89.45	134.400	5,000.47	-5,255.59	5,307.32	7,468.79	0.00	0.00	0.00
Survey proj. to 12857.00 MD 5000.47 TVD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
419.00	418.95	-1.40	5.23	MWD surveys
5,204.62	4,980.00	170.68	-80.55	FTP @ 5204.62 MD 4980.00 TVD
5,219.00	4,983.89	160.64	-71.03	330 ppd @ 5219.00 MD 4983.89 TVD
5,297.20	4,998.91	104.65	-18.60	9 5/8" Shoe @ 5297.20 MD 4998.91 TVD
12,798.00	4,999.90	-5,214.31	5,265.16	Survey @ 12798.00 MD 4999.90 TVD
12,813.30	5,000.05	-5,225.02	5,276.09	LTP @ 12813.30 MD 5000.05 TVD
12,857.00	5,000.47	-5,255.59	5,307.32	Survey proj. to 12857.00 MD 5000.47 TVD



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	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 305H, Surf loc: 406 FNL 2059 FEL Section 21-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,898,955.07 usft	Latitude:	36.21874700
	+E/-W	0.00 ft	Easting:	2,766,760.37 usft	Longitude:	-107.68528800
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	4/23/2024	8.47	62.68	49,018.84097179

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	135.314	

Survey Program	Date	6/2/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
419.00	5,249.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,318.00	12,798.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,857.00	12,857.00	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	1,898,955.07	2,766,760.37	36.21874700	-107.68528800	
419.00	1.48	104.940	418.95	-1.40	5.23	1,898,953.68	2,766,765.60	36.21874315	-107.68527029	
MWD surveys										
513.00	1.64	112.620	512.92	-2.23	7.64	1,898,952.85	2,766,768.02	36.21874085	-107.68526211	
608.00	0.31	154.440	607.90	-2.98	9.01	1,898,952.09	2,766,769.38	36.21873878	-107.68525748	
703.00	0.39	187.100	702.90	-3.53	9.08	1,898,951.54	2,766,769.45	36.21873726	-107.68525724	
798.00	0.25	182.370	797.90	-4.06	9.03	1,898,951.01	2,766,769.40	36.21873581	-107.68525741	
892.00	0.38	159.750	891.90	-4.56	9.13	1,898,950.52	2,766,769.50	36.21873444	-107.68525707	
987.00	2.39	305.840	986.87	-3.69	7.63	1,898,951.38	2,766,768.01	36.21873682	-107.68526214	
1,082.00	5.83	316.450	1,081.62	0.96	2.70	1,898,956.04	2,766,763.07	36.21874964	-107.68527884	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 305H
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 305H	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
1,174.00	9.04	316.710	1,172.83	9.61	-5.48	1,898,964.69	2,766,754.90	36.21877343	-107.68530652
1,265.00	12.12	319.170	1,262.27	22.05	-16.63	1,898,977.12	2,766,743.75	36.21880764	-107.68534426
1,357.00	12.54	315.980	1,352.15	36.54	-29.88	1,898,991.61	2,766,730.49	36.21884750	-107.68538912
1,447.00	12.39	318.320	1,440.03	50.78	-43.09	1,899,005.85	2,766,717.28	36.21888667	-107.68543383
1,538.00	11.89	317.560	1,529.00	64.99	-55.91	1,899,020.06	2,766,704.46	36.21892576	-107.68547721
1,629.00	11.98	322.770	1,618.03	79.43	-67.95	1,899,034.50	2,766,692.42	36.21896547	-107.68551796
1,720.00	10.82	314.430	1,707.24	92.93	-79.77	1,899,048.00	2,766,680.61	36.21900261	-107.68555794
1,810.00	11.83	324.420	1,795.50	106.34	-91.17	1,899,061.42	2,766,669.21	36.21903952	-107.68559653
1,900.00	11.92	326.890	1,883.57	121.63	-101.61	1,899,076.71	2,766,658.76	36.21908156	-107.68563186
1,994.00	11.02	322.990	1,975.69	136.94	-112.32	1,899,092.01	2,766,648.05	36.21912365	-107.68566809
2,089.00	10.60	320.650	2,069.01	150.95	-123.33	1,899,106.02	2,766,637.04	36.21916218	-107.68570533
2,184.00	10.23	318.940	2,162.44	164.06	-134.41	1,899,119.14	2,766,625.96	36.21919826	-107.68574283
2,279.00	10.42	319.280	2,255.90	176.94	-145.56	1,899,132.01	2,766,614.82	36.21923367	-107.68578055
2,374.00	10.70	318.290	2,349.30	190.03	-157.03	1,899,145.10	2,766,603.34	36.21926969	-107.68581938
2,468.00	10.96	318.680	2,441.62	203.26	-168.73	1,899,158.33	2,766,591.64	36.21930607	-107.68585900
2,563.00	11.22	319.540	2,534.85	217.07	-180.69	1,899,172.14	2,766,579.68	36.21934407	-107.68589947
2,658.00	11.21	320.010	2,628.03	231.18	-192.63	1,899,186.25	2,766,567.75	36.21938287	-107.68593985
2,753.00	10.53	318.900	2,721.33	244.79	-204.27	1,899,199.87	2,766,556.11	36.21942032	-107.68597925
2,848.00	11.38	322.720	2,814.60	258.79	-215.65	1,899,213.87	2,766,544.72	36.21945883	-107.68601777
2,943.00	12.39	329.340	2,907.56	275.02	-226.53	1,899,230.09	2,766,533.85	36.21950345	-107.68605455
3,037.00	12.05	329.260	2,999.43	292.13	-236.68	1,899,247.20	2,766,523.69	36.21955049	-107.68608890
3,132.00	11.48	327.070	3,092.44	308.59	-246.89	1,899,263.66	2,766,513.48	36.21959574	-107.68612343
3,227.00	10.88	324.680	3,185.64	323.84	-257.22	1,899,278.91	2,766,503.16	36.21963768	-107.68615834
3,322.00	9.61	320.720	3,279.12	337.29	-267.42	1,899,292.36	2,766,492.95	36.21967468	-107.68619287
3,417.00	10.68	320.330	3,372.63	350.21	-278.06	1,899,305.28	2,766,482.31	36.21971020	-107.68622888
3,512.00	12.45	322.000	3,465.70	365.05	-289.98	1,899,320.12	2,766,470.39	36.21975104	-107.68626923
3,607.00	12.03	318.570	3,558.54	380.54	-302.84	1,899,335.62	2,766,457.53	36.21979365	-107.68631273
3,702.00	11.58	315.930	3,651.53	394.82	-316.02	1,899,349.89	2,766,444.35	36.21983292	-107.68635735
3,796.00	10.92	312.920	3,743.73	407.66	-329.11	1,899,362.73	2,766,431.27	36.21986825	-107.68640164
3,891.00	10.68	311.240	3,837.05	419.59	-342.32	1,899,374.66	2,766,418.06	36.21990108	-107.68644636
3,985.00	8.55	313.580	3,929.72	430.15	-353.93	1,899,385.22	2,766,406.45	36.21993014	-107.68648567
4,080.00	5.34	322.550	4,024.01	438.53	-361.73	1,899,393.60	2,766,398.64	36.21995319	-107.68651210
4,175.00	2.83	334.680	4,118.77	444.16	-365.43	1,899,399.23	2,766,394.95	36.21996867	-107.68652458
4,270.00	0.38	310.200	4,213.72	446.49	-366.67	1,899,401.56	2,766,393.70	36.21997506	-107.68652879
4,365.00	0.49	221.490	4,308.72	446.38	-367.18	1,899,401.46	2,766,393.19	36.21997479	-107.68653052
4,396.00	0.42	204.600	4,339.72	446.18	-367.31	1,899,401.25	2,766,393.06	36.21997423	-107.68653098
4,428.00	0.65	202.210	4,371.72	445.91	-367.43	1,899,400.98	2,766,392.94	36.21997348	-107.68653138
4,460.00	1.65	158.150	4,403.71	445.31	-367.33	1,899,400.38	2,766,393.04	36.21997184	-107.68653103
4,491.00	4.14	145.290	4,434.67	443.98	-366.53	1,899,399.05	2,766,393.85	36.21996817	-107.68652831
4,523.00	6.74	135.770	4,466.52	441.68	-364.56	1,899,396.75	2,766,395.82	36.21996186	-107.68652165
4,555.00	9.35	130.500	4,498.21	438.65	-361.27	1,899,393.72	2,766,399.10	36.21995351	-107.68651052
4,586.00	12.86	129.550	4,528.62	434.81	-356.69	1,899,389.89	2,766,403.68	36.21994296	-107.68649503
4,618.00	16.40	127.410	4,559.58	429.80	-350.36	1,899,384.87	2,766,410.02	36.21992916	-107.68647357
4,649.00	19.14	127.820	4,589.10	424.02	-342.87	1,899,379.10	2,766,417.51	36.21991326	-107.68644820
4,681.00	22.33	129.330	4,619.02	416.95	-334.02	1,899,372.03	2,766,426.36	36.21989380	-107.68641824
4,713.00	24.75	129.860	4,648.36	408.81	-324.17	1,899,363.88	2,766,436.20	36.21987138	-107.68638490
4,744.00	26.45	129.370	4,676.31	400.27	-313.85	1,899,355.34	2,766,446.52	36.21984788	-107.68634996
4,776.00	28.29	130.560	4,704.73	390.81	-302.58	1,899,345.89	2,766,457.79	36.21982186	-107.68631180
4,807.00	30.25	132.280	4,731.77	380.78	-291.22	1,899,335.86	2,766,469.15	36.21979426	-107.68627334
4,839.00	32.52	135.090	4,759.09	369.27	-279.18	1,899,324.34	2,766,481.19	36.21976257	-107.68623259
4,870.00	35.53	136.590	4,784.78	356.82	-267.11	1,899,311.89	2,766,493.27	36.21972833	-107.68619171
4,902.00	38.59	136.950	4,810.31	342.77	-253.90	1,899,297.84	2,766,506.47	36.21968967	-107.68614701
4,933.00	41.34	135.780	4,834.07	328.36	-240.16	1,899,283.44	2,766,520.21	36.21965004	-107.68610050
4,965.00	44.26	134.610	4,857.55	312.94	-224.84	1,899,268.02	2,766,535.54	36.21960762	-107.68604862
4,997.00	47.60	133.200	4,879.80	297.01	-208.27	1,899,252.08	2,766,552.11	36.21956378	-107.68599254



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 305H
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 305H	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
5,028.00	50.95	132.950	4,900.02	280.97	-191.11	1,899,236.04	2,766,569.26	36.21951964	-107.68593445
5,060.00	55.64	133.750	4,919.14	263.36	-172.46	1,899,218.43	2,766,587.91	36.21947118	-107.68587132
5,091.00	59.84	134.660	4,935.69	245.08	-153.68	1,899,200.15	2,766,606.70	36.21942090	-107.68580773
5,123.00	64.13	134.880	4,950.71	225.19	-133.63	1,899,180.26	2,766,626.75	36.21936617	-107.68573986
5,154.00	67.70	135.500	4,963.36	205.11	-113.69	1,899,160.18	2,766,646.69	36.21931093	-107.68567236
5,186.00	71.74	136.340	4,974.45	183.55	-92.81	1,899,138.62	2,766,667.56	36.21925162	-107.68560170
5,204.62	73.60	136.457	4,980.00	170.68	-80.55	1,899,125.75	2,766,679.82	36.21921620	-107.68556021
FTP @ 5204.62 MD 4980.00 TVD									
5,218.00	74.93	136.540	4,983.63	161.34	-71.69	1,899,116.41	2,766,688.68	36.21919051	-107.68553021
5,219.00	75.06	136.540	4,983.89	160.64	-71.03	1,899,115.71	2,766,689.35	36.21918858	-107.68552796
330 ppd @ 5219.00 MD 4983.89 TVD									
5,249.00	78.82	136.540	4,990.67	139.43	-50.93	1,899,094.50	2,766,709.45	36.21913024	-107.68545994
5,297.20	81.48	137.640	4,998.91	104.65	-18.60	1,899,059.72	2,766,741.77	36.21903456	-107.68535052
9 5/8" Shoe @ 5297.20 MD 4998.91 TVD									
5,318.00	82.63	138.110	5,001.79	89.37	-4.78	1,899,044.44	2,766,755.59	36.21899253	-107.68530375
5,349.00	82.95	137.590	5,005.68	66.57	15.86	1,899,021.64	2,766,776.23	36.21892980	-107.68523390
5,381.00	84.36	137.280	5,009.21	43.15	37.37	1,898,998.22	2,766,797.74	36.21886537	-107.68516109
5,412.00	86.00	137.180	5,011.82	20.47	58.35	1,898,975.54	2,766,818.72	36.21880299	-107.68509010
5,443.00	88.33	136.930	5,013.35	-2.19	79.44	1,898,952.88	2,766,839.81	36.21874064	-107.68501871
5,474.00	89.12	136.850	5,014.04	-24.82	100.62	1,898,930.26	2,766,860.99	36.21867840	-107.68494702
5,505.00	89.25	136.830	5,014.48	-47.43	121.82	1,898,907.65	2,766,882.19	36.21861620	-107.68487525
5,600.00	92.64	135.760	5,012.91	-116.08	187.44	1,898,838.99	2,766,947.81	36.21842732	-107.68465315
5,694.00	93.13	135.170	5,008.18	-183.00	253.28	1,898,772.07	2,767,013.66	36.21824321	-107.68443028
5,788.00	94.02	135.140	5,002.32	-249.52	319.44	1,898,705.55	2,767,079.81	36.21806020	-107.68420634
5,882.00	92.85	133.560	4,996.69	-315.11	386.54	1,898,639.96	2,767,146.91	36.21787974	-107.68397922
5,977.00	91.32	134.030	4,993.23	-380.81	455.06	1,898,574.26	2,767,215.43	36.21769896	-107.68374726
6,069.00	90.13	133.720	4,992.07	-444.57	521.37	1,898,510.51	2,767,281.74	36.21752353	-107.68352279
6,163.00	90.56	133.470	4,991.50	-509.39	589.45	1,898,445.69	2,767,349.82	36.21734519	-107.68329234
6,257.00	90.11	134.720	4,990.95	-574.79	656.96	1,898,380.28	2,767,417.33	36.21716522	-107.68306383
6,351.00	90.14	134.620	4,990.75	-640.88	723.81	1,898,314.20	2,767,484.18	36.21698340	-107.68283755
6,445.00	90.26	134.210	4,990.42	-706.66	790.95	1,898,248.41	2,767,551.32	36.21680239	-107.68261027
6,539.00	90.58	133.500	4,989.73	-771.79	858.73	1,898,183.29	2,767,619.10	36.21662320	-107.68238083
6,633.00	91.02	133.330	4,988.42	-836.38	927.00	1,898,118.69	2,767,687.37	36.21644546	-107.68214972
6,727.00	90.12	134.620	4,987.48	-901.65	994.64	1,898,053.43	2,767,755.02	36.21626588	-107.68192076
6,821.00	90.56	134.530	4,986.93	-967.62	1,061.60	1,897,987.46	2,767,821.97	36.21608436	-107.68169411
6,915.00	90.90	134.660	4,985.73	-1,033.61	1,128.53	1,897,921.46	2,767,888.90	36.21590279	-107.68146757
7,009.00	90.45	134.010	4,984.62	-1,099.30	1,195.76	1,897,855.78	2,767,956.13	36.21572206	-107.68124000
7,102.00	90.11	133.160	4,984.17	-1,163.41	1,263.13	1,897,791.66	2,768,023.50	36.21554564	-107.68101198
7,196.00	89.86	135.660	4,984.19	-1,229.19	1,330.27	1,897,725.89	2,768,090.64	36.21536466	-107.68078471
7,290.00	89.74	135.540	4,984.52	-1,296.35	1,396.04	1,897,658.73	2,768,156.41	36.21517988	-107.68056211
7,383.00	89.93	135.410	4,984.79	-1,362.65	1,461.25	1,897,592.42	2,768,221.62	36.21499746	-107.68034140
7,478.00	90.11	136.990	4,984.75	-1,431.22	1,527.00	1,897,523.86	2,768,287.37	36.21480882	-107.68011886
7,572.00	91.54	136.900	4,983.40	-1,499.89	1,591.17	1,897,455.18	2,768,351.54	36.21461988	-107.67990171
7,666.00	91.53	136.730	4,980.88	-1,568.41	1,655.47	1,897,386.67	2,768,415.84	36.21443138	-107.67968408
7,760.00	90.00	134.650	4,979.63	-1,635.66	1,721.13	1,897,319.42	2,768,481.50	36.21424635	-107.67946188
7,854.00	89.60	133.790	4,979.96	-1,701.22	1,788.49	1,897,253.86	2,768,548.86	36.21406597	-107.67923387
7,948.00	89.99	136.400	4,980.29	-1,767.79	1,854.84	1,897,187.29	2,768,615.21	36.21388280	-107.67900930
8,042.00	90.27	136.050	4,980.08	-1,835.66	1,919.87	1,897,119.42	2,768,680.24	36.21369606	-107.67878921
8,137.00	90.47	135.860	4,979.47	-1,903.95	1,985.92	1,897,051.13	2,768,746.29	36.21350819	-107.67856569
8,231.00	90.84	135.510	4,978.39	-1,971.20	2,051.58	1,896,983.88	2,768,811.95	36.21332315	-107.67834346
8,325.00	91.34	135.400	4,976.60	-2,038.18	2,117.51	1,896,916.90	2,768,877.88	36.21313886	-107.67812034
8,418.00	89.35	135.420	4,976.04	-2,104.41	2,182.79	1,896,850.67	2,768,943.16	36.21295665	-107.67789939
8,513.00	89.87	135.290	4,976.69	-2,171.99	2,249.55	1,896,783.08	2,769,009.92	36.21277068	-107.67767346
8,607.00	90.06	134.980	4,976.75	-2,238.62	2,315.86	1,896,716.46	2,769,076.23	36.21258737	-107.67744903
8,701.00	89.90	134.210	4,976.78	-2,304.61	2,382.80	1,896,650.46	2,769,143.16	36.21240577	-107.67722249



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 305H
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 305H	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
8,795.00	90.13	133.470	4,976.75	-2,369.72	2,450.60	1,896,585.36	2,769,210.96	36.21222662	-107.67699301
8,889.00	90.56	135.600	4,976.19	-2,435.64	2,517.60	1,896,519.43	2,769,277.96	36.21204523	-107.67676625
8,983.00	90.75	135.110	4,975.11	-2,502.52	2,583.65	1,896,452.56	2,769,344.01	36.21186123	-107.67654271
9,078.00	90.63	137.170	4,973.97	-2,571.01	2,649.46	1,896,384.07	2,769,409.83	36.21167279	-107.67631997
9,171.00	89.69	135.990	4,973.71	-2,638.55	2,713.38	1,896,316.52	2,769,473.75	36.21148695	-107.67610366
9,265.00	89.80	135.170	4,974.13	-2,705.69	2,779.17	1,896,249.39	2,769,539.54	36.21130222	-107.67588101
9,360.00	90.25	134.980	4,974.09	-2,772.95	2,846.26	1,896,182.13	2,769,606.63	36.21111715	-107.67565397
9,455.00	90.38	136.730	4,973.56	-2,841.12	2,912.42	1,896,113.96	2,769,672.79	36.21092959	-107.67543006
9,549.00	90.27	136.110	4,973.03	-2,909.21	2,977.22	1,896,045.87	2,769,737.59	36.21074225	-107.67521078
9,643.00	89.82	134.790	4,972.96	-2,976.20	3,043.16	1,895,978.88	2,769,803.53	36.21055793	-107.67498762
9,737.00	90.31	134.480	4,972.85	-3,042.24	3,110.05	1,895,912.84	2,769,870.42	36.21037621	-107.67476124
9,831.00	88.49	135.070	4,973.84	-3,108.44	3,176.78	1,895,846.64	2,769,937.14	36.21019405	-107.67453543
9,925.00	88.71	134.570	4,976.13	-3,174.68	3,243.43	1,895,780.40	2,770,003.80	36.21001179	-107.67430985
10,019.00	89.47	134.190	4,977.62	-3,240.42	3,310.61	1,895,714.66	2,770,070.97	36.20983090	-107.67408251
10,113.00	89.33	133.100	4,978.61	-3,305.29	3,378.62	1,895,649.79	2,770,138.99	36.20965238	-107.67385231
10,208.00	90.41	133.300	4,978.82	-3,370.32	3,447.87	1,895,584.76	2,770,208.24	36.20947343	-107.67361793
10,302.00	90.05	134.310	4,978.45	-3,435.39	3,515.71	1,895,519.69	2,770,276.08	36.20929438	-107.67338833
10,397.00	89.65	134.770	4,978.70	-3,502.02	3,583.42	1,895,453.06	2,770,343.79	36.20911102	-107.67315918
10,491.00	90.04	136.990	4,978.95	-3,569.50	3,648.86	1,895,385.58	2,770,409.22	36.20892536	-107.67293775
10,584.00	90.35	136.160	4,978.63	-3,637.04	3,712.79	1,895,318.04	2,770,473.15	36.20873953	-107.67272143
10,679.00	89.32	134.070	4,978.91	-3,704.34	3,779.82	1,895,250.74	2,770,540.19	36.20855433	-107.67249458
10,772.00	90.01	135.440	4,979.45	-3,769.82	3,845.86	1,895,185.26	2,770,606.23	36.20837416	-107.67227109
10,865.00	90.35	136.310	4,979.16	-3,836.58	3,910.61	1,895,118.50	2,770,670.97	36.20819048	-107.67205199
10,959.00	89.75	134.680	4,979.08	-3,903.61	3,976.50	1,895,051.47	2,770,736.86	36.20800602	-107.67182902
11,053.00	90.21	136.220	4,979.11	-3,970.60	4,042.44	1,894,984.48	2,770,802.80	36.20782170	-107.67160588
11,147.00	91.10	134.780	4,978.04	-4,037.64	4,108.32	1,894,917.44	2,770,868.68	36.20763724	-107.67138295
11,241.00	91.48	134.190	4,975.92	-4,103.49	4,175.36	1,894,851.59	2,770,935.73	36.20745604	-107.67115606
11,336.00	91.58	133.260	4,973.38	-4,169.13	4,243.99	1,894,785.95	2,771,004.35	36.20727540	-107.67092381
11,430.00	91.03	135.390	4,971.24	-4,234.79	4,311.22	1,894,720.29	2,771,071.58	36.20709472	-107.67069631
11,523.00	91.15	136.810	4,969.47	-4,301.79	4,375.69	1,894,653.30	2,771,136.05	36.20691038	-107.67047815
11,617.00	89.93	136.720	4,968.59	-4,370.27	4,440.07	1,894,584.82	2,771,200.44	36.20672196	-107.67026029
11,711.00	90.25	136.460	4,968.44	-4,438.55	4,504.67	1,894,516.53	2,771,265.04	36.20653407	-107.67004172
11,805.00	89.32	136.090	4,968.79	-4,506.48	4,569.64	1,894,448.60	2,771,330.01	36.20634717	-107.66982188
11,899.00	89.73	135.680	4,969.57	-4,573.96	4,635.07	1,894,381.12	2,771,395.44	36.20616148	-107.66960048
11,993.00	87.45	135.780	4,971.88	-4,641.25	4,700.67	1,894,313.83	2,771,461.03	36.20597634	-107.66937853
12,087.00	87.59	135.400	4,975.95	-4,708.34	4,766.38	1,894,246.75	2,771,526.75	36.20579174	-107.66915615
12,182.00	87.98	134.880	4,979.62	-4,775.62	4,833.34	1,894,179.46	2,771,593.71	36.20560658	-107.66892957
12,275.00	87.80	135.410	4,983.05	-4,841.51	4,898.89	1,894,113.58	2,771,659.26	36.20542529	-107.66870776
12,370.00	87.03	137.130	4,987.33	-4,910.08	4,964.49	1,894,045.00	2,771,724.86	36.20523661	-107.66848580
12,464.00	87.42	135.880	4,991.88	-4,978.19	5,029.12	1,893,976.89	2,771,789.48	36.20504920	-107.66826715
12,559.00	88.35	135.310	4,995.39	-5,046.01	5,095.54	1,893,909.07	2,771,855.91	36.20486258	-107.66804238
12,652.00	88.63	134.980	4,997.84	-5,111.92	5,161.12	1,893,843.17	2,771,921.48	36.20468123	-107.66782050
12,746.00	89.46	134.310	4,999.41	-5,177.96	5,227.98	1,893,777.12	2,771,988.35	36.20449949	-107.66759423
12,798.00	89.45	134.400	4,999.90	-5,214.31	5,265.16	1,893,740.77	2,772,025.53	36.20439945	-107.66746842
Survey @ 12798.00 MD 4999.90 TVD									
12,813.30	89.45	134.400	5,000.05	-5,225.02	5,276.09	1,893,730.07	2,772,036.46	36.20436999	-107.66743143
LTP @ 12813.30 MD 5000.05 TVD									
12,857.00	89.45	134.400	5,000.47	-5,255.59	5,307.32	1,893,699.49	2,772,067.68	36.20428586	-107.66732578
Survey proj. to 12857.00 MD 5000.47 TVD									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 305H
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 305H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_May1924_v17

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
419.00	418.95	-1.40	5.23	MWD surveys
5,204.62	4,980.00	170.68	-80.55	FTP @ 5204.62 MD 4980.00 TVD
5,219.00	4,983.89	160.64	-71.03	330 ppd @ 5219.00 MD 4983.89 TVD
5,297.20	4,998.91	104.65	-18.60	9 5/8" Shoe @ 5297.20 MD 4998.91 TVD
12,798.00	4,999.90	-5,214.31	5,265.16	Survey @ 12798.00 MD 4999.90 TVD
12,813.30	5,000.05	-5,225.02	5,276.09	LTP @ 12813.30 MD 5000.05 TVD
12,857.00	5,000.47	-5,255.59	5,307.32	Survey proj. to 12857.00 MD 5000.47 TVD

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 351432

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 351432
	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 351432

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 351432
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 9/21/2024.	6/17/2024