

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 30-045-38332	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 732H

II. ¹⁰ Surface Location

UL or lot no. H	Section 28	Township 23N	Range 08W	Lot Idn	Feet from the 1645'	North/South line North	Feet from the 442'	East/West line East	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 21	Township 23N	Range 08W	Lot Idn	Feet from the 1139'	North/South line South	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 6500 Townbridge Drive, El Paso, TX 79905	O
151618	Enterprise Field Services, LLC Post Office Box 4503, Houston, TX 77001	G

IV. Well Completion Data

²¹ Spud Date 2/7/2024	²² Ready Date 6/2/2024	²³ TD 10,898' MD 4,952' TVD	²⁴ PBTD 10,868' MD 4,952' TVD	²⁵ Perforations 10,822' – 5,850' MD 4,952' – 4,901' TVD FracSleeve @ 10,847'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
12.25"		9.625" 36# J55		340'	109
8.75"		7" 26# J55		5,507'	713
6.125"		4.5" 11.6# P110		10,880'	496

V. Well Test Data

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

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Shaw-Marie Ford</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Shaw-Marie Ford		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Regulatory Specialist		Approval Date: <i>6/3/2024</i>	
E-mail Address: sford@enduringresources.com		<i>RT EXPIRES 9/2/2024</i>	
Date: 5/2/2024	Phone: 505-716-3297		

DISTRICT 1

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-8161 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., Artes, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

**Submit one copy to appropriate
District Office**

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38332		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 732H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC		⁹ Elevation 6864'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	28	23N	8W		1645'	NORTH	442'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	23N	8W		1139'	SOUTH	216'	WEST	SAN JUAN

10 Dedicated Acres PENETRATED SPACING UNIT;
SEC 28: NE/SE, NW/SE, SE/NE, SW/NE, NW/NE,
SE/NW, NE/NW & NW/NW (320 AC.); SEC 21:
SE/SW & SW/SW (80 AC.) = 400 ACRES

13 Joint or Infill

¹⁴ Consolidation Code

16 Order No.

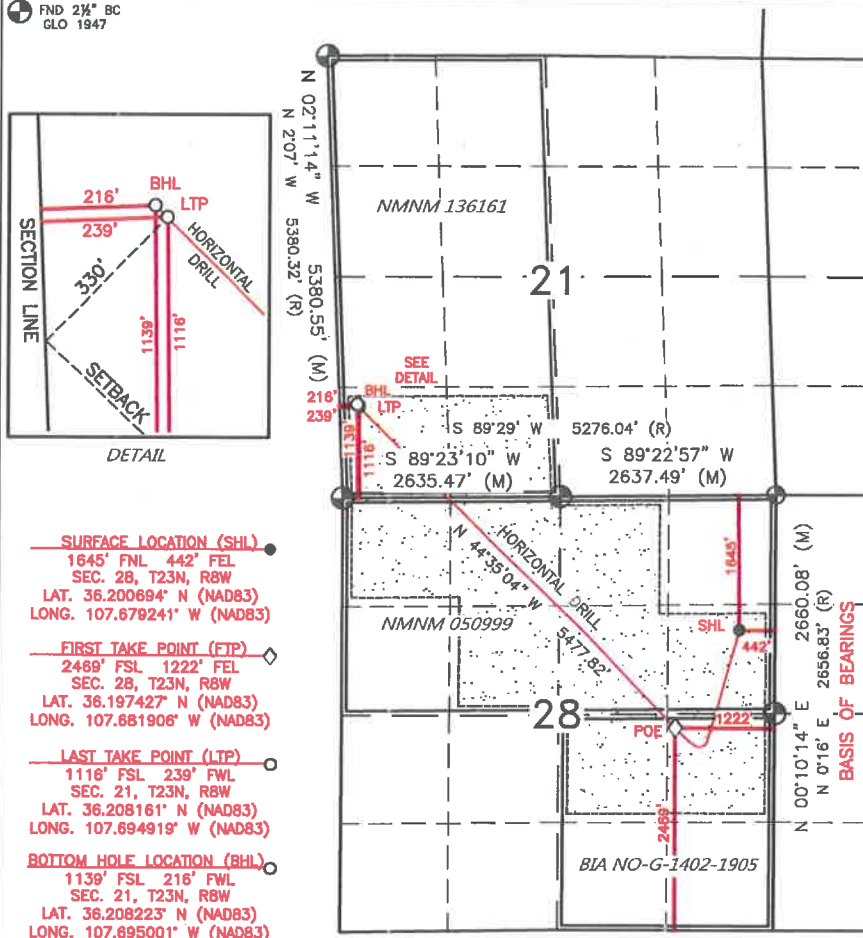
R-13930

R-13930A

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

16

 FND 2½" BC
GLO 1947



18	17	OPERATOR CERTIFICATION
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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 732H**
Site: **Betonnies Tsosie Wash Unit (401, 402 & 732)**
Project: **San Juan County, New Mexico NAD83 NM W**
Design: **rev0**
Rig: **Aztec 1000**

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Betonnies Tsosie 732H BHL 1101 FSL 243 FWL 330 ppd	4949.00	2696.25	-4625.02	1895082.43	2763929.47	36.20812000	-107.69490400
Betonnies Tsosie 732H FTP 2656 FNL 1386 FEL	4906.51	-1021.48	-947.55	1891364.71	2767606.94	36.19789200	-107.68245800
Betonnies Tsosie 732H VS=0	4907.00	-978.92	-989.64	1891407.26	2767564.85	36.19800909	-107.68260044

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 1892386.18 Easting 2768554.49 Latitude 36.20069400 Longitude -107.67924100



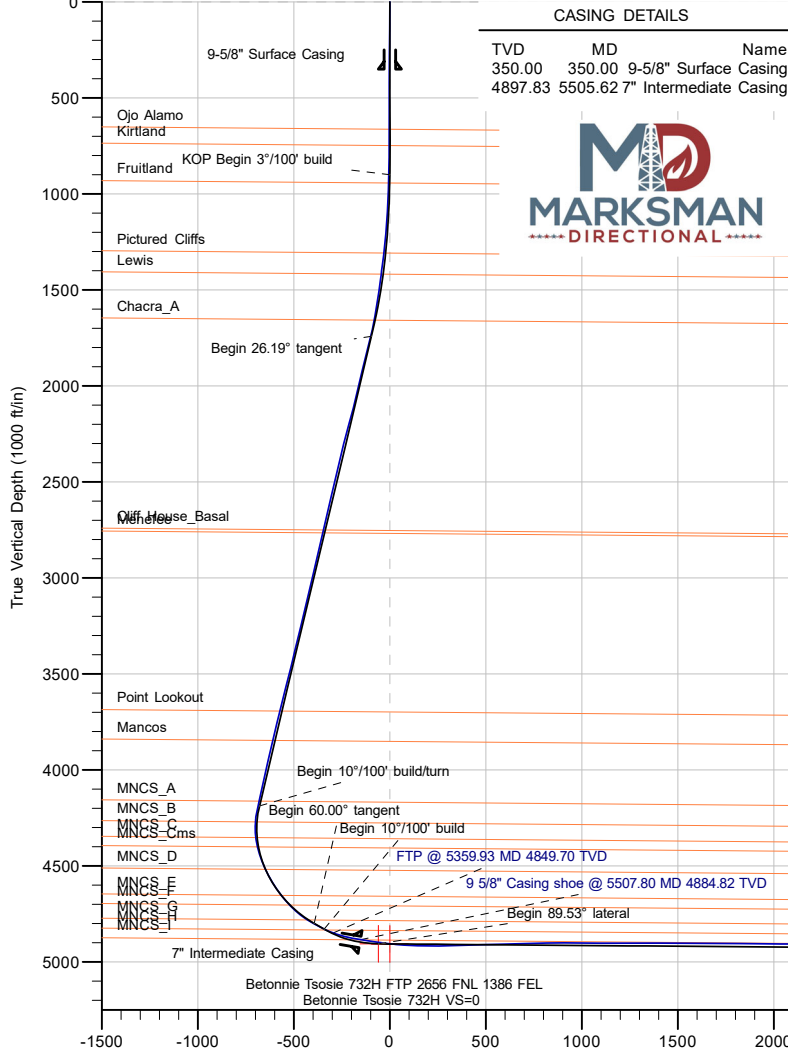
Azimuths to Grid North
True North: -0.09°
Magnetic North: 8.39°

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

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

CASING DETAILS

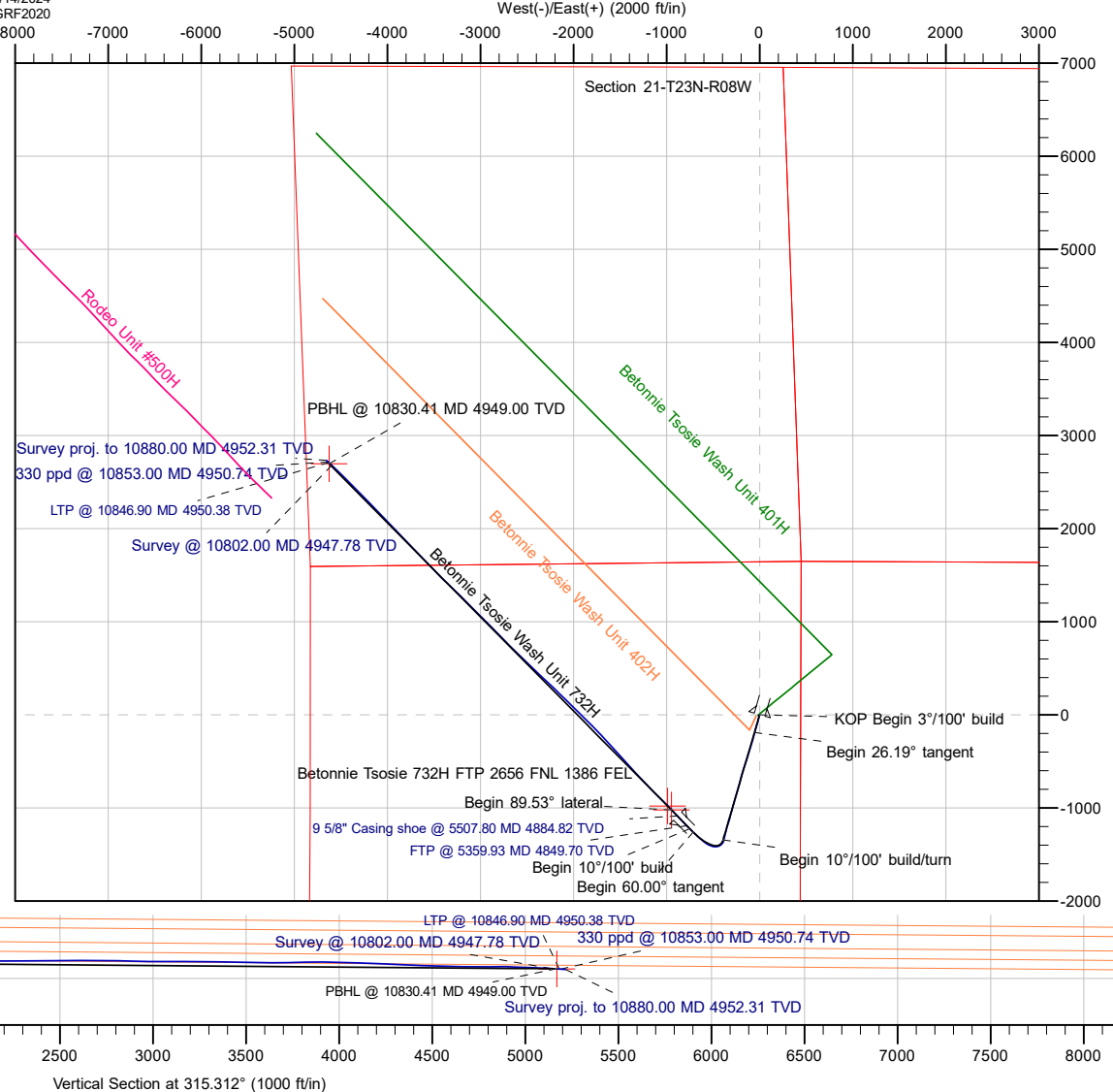
TVD	MD	Name
350.00	350.00	9-5/8" Surface Casing
4897.83	5505.62	7" Intermediate Casing



Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1773.05	26.19	196.280	1742.96	-188.23	-54.97	3.00	196.28	-95.17	Begin 26.19° tangent
4	4498.20	26.19	196.280	4188.30	-1342.81	-392.16	0.00	0.00	-678.88	Begin 10°/100' build/turn
5	5245.62	60.00	315.312	4799.77	-1258.78	-712.82	10.00	128.29	-393.64	Begin 60.00° tangent
6	5305.62	60.00	315.312	4829.77	-1221.84	-749.36	0.00	0.00	-341.68	Begin 10°/100' build
7	5600.96	89.53	315.312	4906.51	-1021.48	-947.55	10.00	0.00	-59.86	Begin 89.53° lateral
8	10830.41	89.53	315.312	4949.00	2696.25	-4625.02	0.00	0.00	5169.42	PBHL @ 10830.41 MD 4949.00 TVD

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
420.00	2.34	208.370	419.88	-7.55	-4.07	-2.50	MWD surveys
5359.93	69.88	315.176	4849.70	-1190.32	-784.36	-294.66	FTP @ 5359.93 MD 4849.70 TVD
5507.80	80.46	317.255	4884.82	-1086.89	-883.69	-151.27	9 5/8" Casing shoe @ 5507.80 MD 4884.82 TVD
10802.00	86.67	313.120	4947.78	2680.44	-4596.86	5138.37	Survey @ 10802.00 MD 4947.78 TVD
10846.90	86.67	313.120	4950.38	2711.08	-4629.58	5183.17	LTP @ 10846.90 MD 4950.38 TVD
10853.00	86.67	313.120	4950.74	2715.24	-4634.02	5189.25	330 ppd @ 10853.00 MD 4950.74 TVD
10880.00	86.67	313.120	4952.31	2733.67	-4653.70	5216.19	Survey proj. to 10880.00 MD 4952.31 TVD





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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 732H, Surf loc: 1645 FNL 442 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,386.18 usft	Latitude:	36.20069400
	+E/-W	0.00 ft	Easting:	2,768,554.49 usft	Longitude:	-107.67924100
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	49,028.44514746

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	315.312	

Survey Program	Date	3/24/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,436.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,535.00	10,802.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
10,880.00	10,880.00	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	2.34	208.370	419.88	-7.55	-4.07	-2.50	0.56	0.56	0.00
MWD surveys									
515.00	0.88	218.630	514.84	-9.82	-5.45	-3.15	1.56	-1.54	10.80
610.00	0.28	199.700	609.84	-10.61	-5.99	-3.33	0.65	-0.63	-19.93
705.00	0.16	201.500	704.84	-10.95	-6.11	-3.49	0.13	-0.13	1.89
800.00	0.68	176.560	799.83	-11.64	-6.13	-3.97	0.57	0.55	-26.25
894.00	0.62	184.350	893.83	-12.70	-6.13	-4.72	0.11	-0.06	8.29



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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	3.73	189.400	988.75	-16.26	-6.68	-6.87	3.28	3.27	5.32
1,084.00	5.85	188.490	1,083.41	-24.10	-7.90	-11.58	2.23	2.23	-0.96
1,175.00	8.23	190.430	1,173.72	-35.10	-9.76	-18.09	2.63	2.62	2.13
1,270.00	10.63	192.140	1,267.43	-50.35	-12.83	-26.77	2.54	2.53	1.80
1,361.00	13.16	194.110	1,356.47	-68.61	-17.12	-36.73	2.82	2.78	2.16
1,451.00	16.24	198.080	1,443.51	-90.51	-23.53	-47.80	3.60	3.42	4.41
1,542.00	17.40	197.420	1,530.62	-115.59	-31.55	-59.99	1.29	1.27	-0.73
1,632.00	19.13	196.550	1,616.08	-142.57	-39.78	-73.38	1.95	1.92	-0.97
1,722.00	23.15	195.240	1,700.01	-173.79	-48.64	-89.35	4.50	4.47	-1.46
1,812.00	27.18	195.120	1,781.45	-210.72	-58.65	-108.56	4.48	4.48	-0.13
1,902.00	26.50	194.060	1,861.75	-250.04	-68.89	-129.31	0.92	-0.76	-1.18
1,994.00	26.32	197.100	1,944.16	-289.44	-79.88	-149.61	1.48	-0.20	3.30
2,089.00	25.40	196.880	2,029.64	-329.07	-91.99	-169.26	0.97	-0.97	-0.23
2,184.00	28.72	197.080	2,114.23	-370.40	-104.61	-189.77	3.50	3.49	0.21
2,278.00	29.31	197.090	2,196.43	-413.98	-118.00	-211.33	0.63	0.63	0.01
2,373.00	30.36	197.190	2,278.84	-459.14	-131.93	-233.64	1.11	1.11	0.11
2,468.00	27.16	198.260	2,362.11	-502.68	-145.83	-254.83	3.41	-3.37	1.13
2,563.00	28.07	197.730	2,446.29	-544.56	-159.43	-275.04	0.99	0.96	-0.56
2,657.00	25.80	198.140	2,530.09	-585.07	-172.53	-294.62	2.42	-2.41	0.44
2,752.00	25.96	197.460	2,615.56	-624.55	-185.21	-313.78	0.35	0.17	-0.72
2,846.00	24.23	195.550	2,700.68	-662.76	-196.55	-332.97	2.03	-1.84	-2.03
2,941.00	24.46	195.590	2,787.24	-700.49	-207.06	-352.39	0.24	0.24	0.04
3,036.00	26.44	195.340	2,873.01	-739.83	-217.95	-372.71	2.09	2.08	-0.26
3,131.00	25.46	192.830	2,958.44	-780.14	-228.08	-394.25	1.55	-1.03	-2.64
3,226.00	25.66	197.320	3,044.15	-819.69	-238.74	-414.87	2.05	0.21	4.73
3,320.00	24.48	195.530	3,129.29	-857.89	-250.01	-434.09	1.49	-1.26	-1.90
3,415.00	26.87	197.310	3,214.91	-897.35	-261.67	-453.95	2.64	2.52	1.87
3,510.00	26.17	194.900	3,299.91	-938.10	-273.44	-474.64	1.35	-0.74	-2.54
3,604.00	27.20	196.960	3,383.90	-978.68	-285.04	-495.33	1.47	1.10	2.19
3,699.00	25.86	195.670	3,468.90	-1,019.40	-296.97	-515.89	1.54	-1.41	-1.36
3,794.00	27.12	195.080	3,553.92	-1,060.26	-308.20	-537.04	1.35	1.33	-0.62
3,888.00	25.37	192.750	3,638.23	-1,100.59	-318.22	-558.67	2.16	-1.86	-2.48
3,983.00	26.99	197.340	3,723.49	-1,141.02	-329.14	-579.74	2.73	1.71	4.83
4,078.00	27.24	197.420	3,808.05	-1,182.34	-342.07	-600.02	0.27	0.26	0.08
4,173.00	25.06	196.530	3,893.32	-1,222.38	-354.31	-619.88	2.33	-2.29	-0.94
4,268.00	23.74	194.070	3,979.83	-1,260.22	-364.68	-639.49	1.75	-1.39	-2.59
4,362.00	22.75	192.220	4,066.20	-1,296.34	-373.13	-659.23	1.31	-1.05	-1.97
4,457.00	22.39	192.750	4,153.93	-1,331.94	-381.01	-678.99	0.44	-0.38	0.56
4,488.00	21.51	191.180	4,182.68	-1,343.27	-383.42	-685.36	3.41	-2.84	-5.06
4,520.00	21.49	196.260	4,212.46	-1,354.66	-386.19	-691.50	5.82	-0.06	15.88
4,552.00	22.94	207.040	4,242.09	-1,365.84	-390.67	-696.30	13.50	4.53	33.69
4,583.00	25.15	216.900	4,270.41	-1,376.50	-397.38	-699.16	14.77	7.13	31.81
4,615.00	26.60	225.440	4,299.21	-1,386.97	-406.57	-700.14	12.48	4.53	26.69



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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)
4,646.00	27.12	231.760	4,326.88	-1,396.21	-417.07	-699.33	9.36	1.68	20.39
4,678.00	26.68	238.970	4,355.42	-1,404.43	-428.95	-696.82	10.28	-1.38	22.53
4,710.00	25.35	249.120	4,384.19	-1,410.58	-441.52	-692.35	14.50	-4.16	31.72
4,741.00	25.01	258.030	4,412.26	-1,414.31	-454.13	-686.13	12.27	-1.10	28.74
4,773.00	25.36	266.360	4,441.22	-1,416.15	-467.59	-677.97	11.12	1.09	26.03
4,805.00	26.42	273.200	4,470.02	-1,416.18	-481.54	-668.19	9.90	3.31	21.38
4,836.00	27.73	280.470	4,497.63	-1,414.49	-495.53	-657.15	11.47	4.23	23.45
4,868.00	29.45	285.990	4,525.73	-1,410.97	-510.41	-644.18	9.85	5.38	17.25
4,900.00	31.34	291.520	4,553.34	-1,405.75	-525.72	-629.70	10.55	5.91	17.28
4,931.00	32.66	294.650	4,579.63	-1,399.30	-540.83	-614.49	6.84	4.26	10.10
4,963.00	33.93	298.640	4,606.38	-1,391.42	-556.51	-597.86	7.91	3.97	12.47
4,994.00	35.99	302.240	4,631.78	-1,382.41	-571.82	-580.69	9.40	6.65	11.61
5,026.00	37.78	306.780	4,657.38	-1,371.52	-587.62	-561.83	10.19	5.59	14.19
5,057.00	40.39	309.880	4,681.45	-1,359.39	-602.94	-542.44	10.52	8.42	10.00
5,089.00	43.70	310.500	4,705.21	-1,345.56	-619.31	-521.10	10.42	10.34	1.94
5,120.00	46.85	310.880	4,727.02	-1,331.20	-636.00	-499.15	10.20	10.16	1.23
5,152.00	50.64	312.140	4,748.12	-1,315.26	-654.01	-475.15	12.21	11.84	3.94
5,184.00	54.47	313.170	4,767.57	-1,298.04	-672.69	-449.77	12.24	11.97	3.22
5,215.00	58.74	314.170	4,784.63	-1,280.17	-691.40	-423.91	14.03	13.77	3.23
5,247.00	61.43	313.830	4,800.59	-1,260.90	-711.35	-396.18	8.46	8.41	-1.06
5,278.00	61.66	313.460	4,815.36	-1,242.09	-731.07	-368.94	1.29	0.74	-1.19
5,309.00	63.47	313.730	4,829.64	-1,223.12	-751.00	-341.44	5.89	5.84	0.87
5,341.00	67.73	314.740	4,842.86	-1,202.79	-771.87	-312.31	13.62	13.31	3.16
5,359.93	69.88	315.176	4,849.70	-1,190.32	-784.36	-294.66	11.57	11.37	2.30
FTP @ 5359.93 MD 4849.70 TVD									
5,373.00	71.37	315.470	4,854.03	-1,181.56	-793.03	-282.33	11.57	11.38	2.25
5,404.00	74.17	316.060	4,863.22	-1,160.34	-813.68	-252.73	9.21	9.03	1.90
5,436.00	77.44	315.850	4,871.06	-1,138.05	-835.24	-221.71	10.24	10.22	-0.66
5,507.80	80.46	317.255	4,884.82	-1,086.89	-883.69	-151.27	4.63	4.21	1.96
9 5/8" Casing shoe @ 5507.80 MD 4884.82 TVD									
5,535.00	81.61	317.780	4,889.06	-1,067.08	-901.84	-124.42	4.63	4.22	1.93
5,567.00	81.41	317.810	4,893.78	-1,043.63	-923.10	-92.80	0.63	-0.63	0.09
5,598.00	81.20	316.970	4,898.47	-1,021.08	-943.85	-62.18	2.76	-0.68	-2.71
5,630.00	82.65	315.760	4,902.96	-998.15	-965.71	-30.50	5.88	4.53	-3.78
5,661.00	84.24	314.440	4,906.50	-976.34	-987.45	0.29	6.65	5.13	-4.26
5,693.00	86.07	314.800	4,909.21	-953.94	-1,010.14	32.18	5.83	5.72	1.13
5,724.00	86.47	315.730	4,911.22	-931.97	-1,031.91	63.11	3.26	1.29	3.00
5,818.00	87.39	313.070	4,916.26	-866.30	-1,098.97	156.95	2.99	0.98	-2.83
5,912.00	90.31	315.540	4,918.14	-800.67	-1,166.21	250.90	4.07	3.11	2.63
6,007.00	92.43	317.270	4,915.87	-731.89	-1,231.70	345.85	2.88	2.23	1.82
6,101.00	92.07	317.460	4,912.18	-662.79	-1,295.32	439.72	0.43	-0.38	0.20
6,195.00	91.32	317.110	4,909.40	-593.76	-1,359.05	533.62	0.88	-0.80	-0.37
6,288.00	91.63	317.700	4,907.01	-525.32	-1,421.98	626.53	0.72	0.33	0.63
6,382.00	91.44	317.370	4,904.49	-456.00	-1,485.42	720.42	0.40	-0.20	-0.35



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 732H
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 732H	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)
6,477.00	91.31	318.140	4,902.21	-385.69	-1,549.27	815.31	0.82	-0.14	0.81
6,571.00	89.63	317.450	4,901.44	-316.07	-1,612.41	909.21	1.93	-1.79	-0.73
6,665.00	89.37	317.610	4,902.26	-246.74	-1,675.88	1,003.14	0.32	-0.28	0.17
6,759.00	89.68	316.350	4,903.04	-178.01	-1,740.00	1,097.09	1.38	0.33	-1.34
6,853.00	89.68	314.550	4,903.56	-111.03	-1,805.94	1,191.09	1.91	0.00	-1.91
6,947.00	89.80	315.260	4,903.99	-44.67	-1,872.52	1,285.08	0.77	0.13	0.76
7,041.00	90.21	314.150	4,903.98	21.45	-1,939.33	1,379.08	1.26	0.44	-1.18
7,135.00	90.23	314.780	4,903.62	87.29	-2,006.42	1,473.06	0.67	0.02	0.67
7,230.00	89.79	314.450	4,903.61	154.02	-2,074.04	1,568.06	0.58	-0.46	-0.35
7,323.00	89.95	313.990	4,903.82	218.88	-2,140.69	1,661.04	0.52	0.17	-0.49
7,417.00	89.49	313.820	4,904.28	284.06	-2,208.41	1,755.01	0.52	-0.49	-0.18
7,511.00	89.39	313.470	4,905.19	348.93	-2,276.43	1,848.97	0.39	-0.11	-0.37
7,605.00	89.51	313.900	4,906.10	413.86	-2,344.41	1,942.92	0.47	0.13	0.46
7,700.00	88.92	313.040	4,907.40	479.21	-2,413.34	2,037.86	1.10	-0.62	-0.91
7,794.00	90.35	313.960	4,908.00	543.91	-2,481.52	2,131.81	1.81	1.52	0.98
7,888.00	90.29	312.990	4,907.47	608.58	-2,549.74	2,225.76	1.03	-0.06	-1.03
7,982.00	90.45	315.550	4,906.86	674.19	-2,617.04	2,319.74	2.73	0.17	2.72
8,075.00	90.87	315.840	4,905.79	740.74	-2,681.99	2,412.73	0.55	0.45	0.31
8,170.00	90.78	315.160	4,904.43	808.49	-2,748.57	2,507.72	0.72	-0.09	-0.72
8,264.00	90.03	315.560	4,903.76	875.37	-2,814.62	2,601.71	0.90	-0.80	0.43
8,359.00	89.41	314.090	4,904.23	942.34	-2,881.99	2,696.70	1.68	-0.65	-1.55
8,453.00	88.91	316.100	4,905.60	1,008.91	-2,948.34	2,790.69	2.20	-0.53	2.14
8,547.00	87.88	314.830	4,908.24	1,075.89	-3,014.24	2,884.65	1.74	-1.10	-1.35
8,641.00	90.73	315.890	4,909.38	1,142.76	-3,080.28	2,978.63	3.23	3.03	1.13
8,735.00	89.68	314.660	4,909.04	1,209.54	-3,146.42	3,072.63	1.72	-1.12	-1.31
8,827.00	89.52	314.470	4,909.68	1,274.10	-3,211.97	3,164.62	0.27	-0.17	-0.21
8,921.00	89.37	314.370	4,910.59	1,339.89	-3,279.10	3,258.60	0.19	-0.16	-0.11
9,015.00	89.11	313.680	4,911.84	1,405.21	-3,346.68	3,352.57	0.78	-0.28	-0.73
9,109.00	89.02	313.300	4,913.37	1,469.89	-3,414.87	3,446.51	0.42	-0.10	-0.40
9,203.00	89.25	316.080	4,914.79	1,535.99	-3,481.68	3,540.48	2.97	0.24	2.96
9,298.00	88.96	315.780	4,916.28	1,604.23	-3,547.75	3,635.47	0.44	-0.31	-0.32
9,392.00	91.71	317.530	4,915.73	1,672.58	-3,612.26	3,729.43	3.47	2.93	1.86
9,485.00	91.37	317.250	4,913.23	1,741.00	-3,675.20	3,822.33	0.47	-0.37	-0.30
9,579.00	89.09	316.380	4,912.85	1,809.54	-3,739.52	3,916.29	2.60	-2.43	-0.93
9,673.00	88.34	316.040	4,914.96	1,877.38	-3,804.56	4,010.25	0.88	-0.80	-0.36
9,767.00	88.08	316.250	4,917.90	1,945.13	-3,869.65	4,104.20	0.36	-0.28	0.22
9,861.00	88.33	316.180	4,920.84	2,012.96	-3,934.66	4,198.14	0.28	0.27	-0.07
9,955.00	87.49	315.430	4,924.27	2,080.31	-4,000.15	4,292.07	1.20	-0.89	-0.80
10,049.00	87.60	315.560	4,928.29	2,147.28	-4,065.98	4,385.99	0.18	0.12	0.14
10,142.00	87.68	315.050	4,932.12	2,213.34	-4,131.33	4,478.91	0.55	0.09	-0.55
10,236.00	87.81	314.220	4,935.82	2,279.33	-4,198.17	4,572.83	0.89	0.14	-0.88
10,331.00	90.09	317.400	4,937.56	2,347.42	-4,264.36	4,667.79	4.12	2.40	3.35
10,424.00	90.35	317.620	4,937.21	2,416.00	-4,327.18	4,760.72	0.37	0.28	0.24



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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)	
10,519.00	89.68	314.830	4,937.18	2,484.59	-4,392.90	4,855.70	3.02	-0.71	-2.94	
10,613.00	87.78	313.720	4,939.27	2,550.19	-4,460.18	4,949.65	2.34	-2.02	-1.18	
10,708.00	87.61	313.820	4,943.09	2,615.86	-4,528.73	5,044.54	0.21	-0.18	0.11	
10,802.00	86.67	313.120	4,947.78	2,680.44	-4,596.86	5,138.37	1.25	-1.00	-0.74	
Survey @ 10802.00 MD 4947.78 TVD										
10,846.90	86.67	313.120	4,950.38	2,711.08	-4,629.58	5,183.17	0.00	0.00	0.00	
LTP @ 10846.90 MD 4950.38 TVD										
10,853.00	86.67	313.120	4,950.74	2,715.24	-4,634.02	5,189.25	0.00	0.00	0.00	
330 ppd @ 10853.00 MD 4950.74 TVD										
10,880.00	86.67	313.120	4,952.31	2,733.67	-4,653.70	5,216.19	0.00	0.00	0.00	
Survey proj. to 10880.00 MD 4952.31 TVD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
420.00	419.88	-7.55	-4.07	MWD surveys	
5,359.93	4,849.70	-1,190.32	-784.36	FTP @ 5359.93 MD 4849.70 TVD	
5,507.80	4,884.82	-1,086.89	-883.69	9 5/8" Casing shoe @ 5507.80 MD 4884.82 TVD	
10,802.00	4,947.78	2,680.44	-4,596.86	Survey @ 10802.00 MD 4947.78 TVD	
10,846.90	4,950.38	2,711.08	-4,629.58	LTP @ 10846.90 MD 4950.38 TVD	
10,853.00	4,950.74	2,715.24	-4,634.02	330 ppd @ 10853.00 MD 4950.74 TVD	
10,880.00	4,952.31	2,733.67	-4,653.70	Survey proj. to 10880.00 MD 4952.31 TVD	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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 732H, Surf loc: 1645 FNL 442 FEL Section 28-T23N-R08W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,386.18 usft	Latitude:	36.20069400
	+E/-W	0.00 ft	Easting:	2,768,554.49 usft	Longitude:	-107.67924100
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	49,028.44514746

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	315.312	

Survey Program	Date	3/24/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
420.00	5,436.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
5,535.00	10,802.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
10,880.00	10,880.00	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	1,892,386.18	2,768,554.49	36.20069400	-107.67924100	
420.00	2.34	208.370	419.88	-7.55	-4.07	1,892,378.64	2,768,550.41	36.20067329	-107.67925486	
MWD surveys										
515.00	0.88	218.630	514.84	-9.82	-5.45	1,892,376.36	2,768,549.04	36.20066704	-107.67925954	
610.00	0.28	199.700	609.84	-10.61	-5.99	1,892,375.57	2,768,548.50	36.20066488	-107.67926135	
705.00	0.16	201.500	704.84	-10.95	-6.11	1,892,375.23	2,768,548.38	36.20066394	-107.67926178	
800.00	0.68	176.560	799.83	-11.64	-6.13	1,892,374.55	2,768,548.36	36.20066205	-107.67926183	
894.00	0.62	184.350	893.83	-12.70	-6.13	1,892,373.48	2,768,548.36	36.20065913	-107.67926186	
989.00	3.73	189.400	988.75	-16.26	-6.68	1,892,369.92	2,768,547.81	36.20064935	-107.67926372	
1,084.00	5.85	188.490	1,083.41	-24.10	-7.90	1,892,362.08	2,768,546.59	36.20062782	-107.67926790	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 732H
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 732H	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	8.23	190.430	1,173.72	-35.10	-9.76	1,892,351.09	2,768,544.73	36.20059763	-107.67927427
1,270.00	10.63	192.140	1,267.43	-50.35	-12.83	1,892,335.83	2,768,541.66	36.20055574	-107.67928477
1,361.00	13.16	194.110	1,356.47	-68.61	-17.12	1,892,317.58	2,768,537.36	36.20050561	-107.67929942
1,451.00	16.24	198.080	1,443.51	-90.51	-23.53	1,892,295.67	2,768,530.96	36.20044546	-107.67932124
1,542.00	17.40	197.420	1,530.62	-115.59	-31.55	1,892,270.59	2,768,522.94	36.20037660	-107.67934857
1,632.00	19.13	196.550	1,616.08	-142.57	-39.78	1,892,243.61	2,768,514.71	36.20030252	-107.67937661
1,722.00	23.15	195.240	1,700.01	-173.79	-48.64	1,892,212.40	2,768,505.85	36.20021680	-107.67940679
1,812.00	27.18	195.120	1,781.45	-210.72	-58.65	1,892,175.47	2,768,495.84	36.20011540	-107.67944094
1,902.00	26.50	194.060	1,861.75	-250.04	-68.89	1,892,136.15	2,768,485.60	36.20000742	-107.67947586
1,994.00	26.32	197.100	1,944.16	-289.44	-79.88	1,892,096.74	2,768,474.61	36.19989922	-107.67951330
2,089.00	25.40	196.880	2,029.64	-329.07	-91.99	1,892,057.11	2,768,462.50	36.19979041	-107.67955455
2,184.00	28.72	197.080	2,114.23	-370.40	-104.61	1,892,015.79	2,768,449.88	36.19967694	-107.67959756
2,278.00	29.31	197.090	2,196.43	-413.98	-118.00	1,891,972.21	2,768,436.48	36.19955728	-107.67964319
2,373.00	30.36	197.190	2,278.84	-459.14	-131.93	1,891,927.04	2,768,422.56	36.19943327	-107.67969065
2,468.00	27.16	198.260	2,362.11	-502.68	-145.83	1,891,883.51	2,768,408.66	36.19931373	-107.67973797
2,563.00	28.07	197.730	2,446.29	-544.56	-159.43	1,891,841.62	2,768,395.06	36.19919874	-107.67978429
2,657.00	25.80	198.140	2,530.09	-585.07	-172.53	1,891,801.11	2,768,381.96	36.19908751	-107.67982893
2,752.00	25.96	197.460	2,615.56	-624.55	-185.21	1,891,761.63	2,768,369.28	36.19897911	-107.67987210
2,846.00	24.23	195.550	2,700.68	-662.76	-196.55	1,891,723.42	2,768,357.94	36.19887418	-107.67991075
2,941.00	24.46	195.590	2,787.24	-700.49	-207.06	1,891,685.70	2,768,347.42	36.19877060	-107.67994658
3,036.00	26.44	195.340	2,873.01	-739.83	-217.95	1,891,646.35	2,768,336.54	36.19866256	-107.67998368
3,131.00	25.46	192.830	2,958.44	-780.14	-228.08	1,891,606.04	2,768,326.41	36.19855187	-107.68001823
3,226.00	25.66	197.320	3,044.15	-819.69	-238.74	1,891,566.49	2,768,315.75	36.19844327	-107.68005456
3,320.00	24.48	195.530	3,129.29	-857.89	-250.01	1,891,528.30	2,768,304.48	36.19833840	-107.68009298
3,415.00	26.87	197.310	3,214.91	-897.35	-261.67	1,891,488.83	2,768,292.82	36.19823003	-107.68013271
3,510.00	26.17	194.900	3,299.91	-938.10	-273.44	1,891,448.09	2,768,281.05	36.19811816	-107.68017284
3,604.00	27.20	196.960	3,383.90	-978.68	-285.04	1,891,407.51	2,768,269.45	36.19800672	-107.68021236
3,699.00	25.86	195.670	3,468.90	-1,019.40	-296.97	1,891,366.79	2,768,257.52	36.19789492	-107.68025301
3,794.00	27.12	195.080	3,553.92	-1,060.26	-308.20	1,891,325.93	2,768,246.29	36.19778273	-107.68029129
3,888.00	25.37	192.750	3,638.23	-1,100.59	-318.22	1,891,285.60	2,768,236.27	36.19767197	-107.68032547
3,983.00	26.99	197.340	3,723.49	-1,141.02	-329.14	1,891,245.16	2,768,225.35	36.19756094	-107.68036269
4,078.00	27.24	197.420	3,808.05	-1,182.34	-342.07	1,891,203.84	2,768,212.42	36.19744748	-107.68040674
4,173.00	25.06	196.530	3,893.32	-1,222.38	-354.31	1,891,163.80	2,768,200.18	36.19733755	-107.68044842
4,268.00	23.74	194.070	3,979.83	-1,260.22	-364.68	1,891,125.96	2,768,189.81	36.19723364	-107.68048379
4,362.00	22.75	192.220	4,066.20	-1,296.34	-373.13	1,891,089.85	2,768,181.36	36.19713446	-107.68051261
4,457.00	22.39	192.750	4,153.93	-1,331.94	-381.01	1,891,054.25	2,768,173.48	36.19703670	-107.68053951
4,488.00	21.51	191.180	4,182.68	-1,343.27	-383.42	1,891,042.91	2,768,171.07	36.19700557	-107.68054772
4,520.00	21.49	196.260	4,212.46	-1,354.66	-386.19	1,891,031.53	2,768,168.29	36.19697431	-107.68055720
4,552.00	22.94	207.040	4,242.09	-1,365.84	-390.67	1,891,020.34	2,768,163.82	36.19694360	-107.68057244
4,583.00	25.15	216.900	4,270.41	-1,376.50	-397.38	1,891,009.69	2,768,157.11	36.19691436	-107.68059522
4,615.00	26.60	225.440	4,299.21	-1,386.97	-406.57	1,890,999.22	2,768,147.92	36.19688564	-107.68062643
4,646.00	27.12	231.760	4,326.88	-1,396.21	-417.07	1,890,989.97	2,768,137.42	36.19686029	-107.68066206
4,678.00	26.68	238.970	4,355.42	-1,404.43	-428.95	1,890,981.75	2,768,125.54	36.19683776	-107.68070239
4,710.00	25.35	249.120	4,384.19	-1,410.58	-441.52	1,890,975.61	2,768,112.97	36.19682093	-107.68074500
4,741.00	25.01	258.030	4,412.26	-1,414.31	-454.13	1,890,971.88	2,768,100.36	36.19681075	-107.68078778
4,773.00	25.36	266.360	4,441.22	-1,416.15	-467.59	1,890,970.04	2,768,086.90	36.19680575	-107.68083341
4,805.00	26.42	273.200	4,470.02	-1,416.18	-481.54	1,890,970.00	2,768,072.95	36.19680571	-107.68088069
4,836.00	27.73	280.470	4,497.63	-1,414.49	-495.53	1,890,971.70	2,768,058.96	36.19681043	-107.68092807
4,868.00	29.45	285.990	4,525.73	-1,410.97	-510.41	1,890,975.22	2,768,044.08	36.19682017	-107.68097851
4,900.00	31.34	291.520	4,553.34	-1,405.75	-525.72	1,890,980.44	2,768,028.77	36.19683457	-107.68103037
4,931.00	32.66	294.650	4,579.63	-1,399.30	-540.83	1,890,986.89	2,768,013.66	36.19685235	-107.68108152
4,963.00	33.93	298.640	4,606.38	-1,391.42	-556.51	1,890,994.77	2,767,997.98	36.19687407	-107.68113465
4,994.00	35.99	302.240	4,631.78	-1,382.41	-571.82	1,891,003.78	2,767,982.67	36.19689888	-107.68118646
5,026.00	37.78	306.780	4,657.38	-1,371.52	-587.62	1,891,014.67	2,767,966.87	36.19692886	-107.68123998
5,057.00	40.39	309.880	4,681.45	-1,359.39	-602.94	1,891,026.80	2,767,951.55	36.19696225	-107.68129183



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Bettonnie Tsosie Wash Unit 732H
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 732H	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	43.70	310.500	4,705.21	-1,345.56	-619.31	1,891,040.63	2,767,935.18	36.19700031	-107.68134723
5,120.00	46.85	310.880	4,727.02	-1,331.20	-636.00	1,891,054.99	2,767,918.49	36.19703983	-107.68140374
5,152.00	50.64	312.140	4,748.12	-1,315.26	-654.01	1,891,070.93	2,767,900.48	36.19708371	-107.68146468
5,184.00	54.47	313.170	4,767.57	-1,298.04	-672.69	1,891,088.15	2,767,881.80	36.19713108	-107.68152789
5,215.00	58.74	314.170	4,784.63	-1,280.17	-691.40	1,891,106.02	2,767,863.09	36.19718026	-107.68159122
5,247.00	61.43	313.830	4,800.59	-1,260.90	-711.35	1,891,125.28	2,767,843.14	36.19723326	-107.68165873
5,278.00	61.66	313.460	4,815.36	-1,242.09	-731.07	1,891,144.09	2,767,823.42	36.19728502	-107.68172548
5,309.00	63.47	313.730	4,829.64	-1,223.12	-751.00	1,891,163.07	2,767,803.49	36.19733723	-107.68179291
5,341.00	67.73	314.740	4,842.86	-1,202.79	-771.87	1,891,183.39	2,767,782.62	36.19739316	-107.68186354
5,359.93	69.88	315.176	4,849.70	-1,190.32	-784.36	1,891,195.87	2,767,770.13	36.19742748	-107.68190581
FTP @ 5359.93 MD 4849.70 TVD									
5,373.00	71.37	315.470	4,854.03	-1,181.56	-793.03	1,891,204.63	2,767,761.46	36.19745159	-107.68193514
5,404.00	74.17	316.060	4,863.22	-1,160.34	-813.68	1,891,225.84	2,767,740.81	36.19750995	-107.68200502
5,436.00	77.44	315.850	4,871.06	-1,138.05	-835.24	1,891,248.14	2,767,719.25	36.19757129	-107.68207799
5,507.80	80.46	317.255	4,884.82	-1,086.89	-883.69	1,891,299.30	2,767,670.80	36.19771203	-107.68224193
9 5/8" Casing shoe @ 5507.80 MD 4884.82 TVD									
5,535.00	81.61	317.780	4,889.06	-1,067.08	-901.84	1,891,319.11	2,767,652.65	36.19776654	-107.68230333
5,567.00	81.41	317.810	4,893.78	-1,043.63	-923.10	1,891,342.55	2,767,631.39	36.19783104	-107.68237527
5,598.00	81.20	316.970	4,898.47	-1,021.08	-943.85	1,891,365.11	2,767,610.64	36.19789308	-107.68244546
5,630.00	82.65	315.760	4,902.96	-998.15	-965.71	1,891,388.04	2,767,588.78	36.19795616	-107.68251944
5,661.00	84.24	314.440	4,906.50	-976.34	-987.45	1,891,409.85	2,767,567.04	36.19801618	-107.68259300
5,693.00	86.07	314.800	4,909.21	-953.94	-1,010.14	1,891,432.24	2,767,544.35	36.19807780	-107.68266980
5,724.00	86.47	315.730	4,911.22	-931.97	-1,031.91	1,891,454.22	2,767,522.58	36.19813826	-107.68274347
5,818.00	87.39	313.070	4,916.26	-866.30	-1,098.97	1,891,519.89	2,767,455.52	36.19831893	-107.68297041
5,912.00	90.31	315.540	4,918.14	-800.67	-1,166.21	1,891,585.52	2,767,388.28	36.19849952	-107.68319797
6,007.00	92.43	317.270	4,915.87	-731.89	-1,231.70	1,891,654.29	2,767,322.79	36.19868873	-107.68341955
6,101.00	92.07	317.460	4,912.18	-662.79	-1,295.32	1,891,723.39	2,767,259.17	36.19887882	-107.68363482
6,195.00	91.32	317.110	4,909.40	-593.76	-1,359.05	1,891,792.43	2,767,195.44	36.19906874	-107.68385048
6,288.00	91.63	317.700	4,907.01	-525.32	-1,421.98	1,891,860.87	2,767,132.52	36.19925701	-107.68406339
6,382.00	91.44	317.370	4,904.49	-456.00	-1,485.42	1,891,930.19	2,767,069.08	36.19944770	-107.68427805
6,477.00	91.31	318.140	4,902.21	-385.69	-1,549.27	1,892,000.49	2,767,005.23	36.19964111	-107.68449409
6,571.00	89.63	317.450	4,901.44	-316.07	-1,612.41	1,892,070.12	2,766,942.08	36.19983264	-107.68470774
6,665.00	89.37	317.610	4,902.26	-246.74	-1,675.88	1,892,139.45	2,766,878.62	36.20002338	-107.68492249
6,759.00	89.68	316.350	4,903.04	-178.01	-1,740.00	1,892,208.17	2,766,814.49	36.20021243	-107.68513949
6,853.00	89.68	314.550	4,903.56	-111.03	-1,805.94	1,892,275.15	2,766,748.55	36.20039672	-107.68536264
6,947.00	89.80	315.260	4,903.99	-44.67	-1,872.52	1,892,341.51	2,766,681.97	36.20057928	-107.68558796
7,041.00	90.21	314.150	4,903.98	21.45	-1,939.33	1,892,407.63	2,766,615.16	36.20076121	-107.68581405
7,135.00	90.23	314.780	4,903.62	87.29	-2,006.42	1,892,473.48	2,766,548.08	36.20094237	-107.68604109
7,230.00	89.79	314.450	4,903.61	154.02	-2,074.04	1,892,540.20	2,766,480.45	36.20112594	-107.68626996
7,323.00	89.95	313.990	4,903.82	218.88	-2,140.69	1,892,605.06	2,766,413.80	36.20130439	-107.68649553
7,417.00	89.49	313.820	4,904.28	284.06	-2,208.41	1,892,670.24	2,766,346.08	36.20148374	-107.68672474
7,511.00	89.39	313.470	4,905.19	348.93	-2,276.43	1,892,735.12	2,766,278.06	36.20166224	-107.68695495
7,605.00	89.51	313.900	4,906.10	413.86	-2,344.41	1,892,800.04	2,766,210.09	36.20184087	-107.68718501
7,700.00	88.92	313.040	4,907.40	479.21	-2,413.34	1,892,865.39	2,766,141.15	36.20202068	-107.68741834
7,794.00	90.35	313.960	4,908.00	543.91	-2,481.52	1,892,930.09	2,766,072.97	36.20219870	-107.68764911
7,888.00	90.29	312.990	4,907.47	608.58	-2,549.74	1,892,994.77	2,766,004.76	36.20237664	-107.68787998
7,982.00	90.45	315.550	4,906.86	674.19	-2,617.04	1,893,060.37	2,765,937.46	36.20255715	-107.68810776
8,075.00	90.87	315.840	4,905.79	740.74	-2,681.99	1,893,126.92	2,765,872.50	36.20274024	-107.68832759
8,170.00	90.78	315.160	4,904.43	808.49	-2,748.57	1,893,194.67	2,765,805.92	36.20292663	-107.68855291
8,264.00	90.03	315.560	4,903.76	875.37	-2,814.62	1,893,261.56	2,765,739.88	36.20311063	-107.68877644
8,359.00	89.41	314.090	4,904.23	942.34	-2,881.99	1,893,328.52	2,765,672.50	36.20329487	-107.68900448
8,453.00	88.91	316.100	4,905.60	1,008.91	-2,948.34	1,893,395.09	2,765,606.15	36.20347801	-107.68922903
8,547.00	87.88	314.830	4,908.24	1,075.89	-3,014.24	1,893,462.07	2,765,540.26	36.20366227	-107.68945205
8,641.00	90.73	315.890	4,909.38	1,142.76	-3,080.28	1,893,528.94	2,765,474.22	36.20384624	-107.68967555
8,735.00	89.68	314.660	4,909.04	1,209.54	-3,146.42	1,893,595.72	2,765,408.07	36.20402997	-107.68989942



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Betonnie Tsosie Wash Unit 732H
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 732H	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
8,827.00	89.52	314.470	4,909.68	1,274.10	-3,211.97	1,893,660.28	2,765,342.53	36.20420758	-107.69012126
8,921.00	89.37	314.370	4,910.59	1,339.89	-3,279.10	1,893,726.07	2,765,275.40	36.20438858	-107.69034848
9,015.00	89.11	313.680	4,911.84	1,405.21	-3,346.68	1,893,791.39	2,765,207.81	36.20456829	-107.69057724
9,109.00	89.02	313.300	4,913.37	1,469.89	-3,414.87	1,893,856.07	2,765,139.63	36.20474626	-107.69080804
9,203.00	89.25	316.080	4,914.79	1,535.99	-3,481.68	1,893,922.17	2,765,072.81	36.20492810	-107.69103418
9,298.00	88.96	315.780	4,916.28	1,604.23	-3,547.75	1,893,990.41	2,765,006.75	36.20511585	-107.69125778
9,392.00	91.71	317.530	4,915.73	1,672.58	-3,612.26	1,894,058.76	2,764,942.23	36.20530387	-107.69147611
9,485.00	91.37	317.250	4,913.23	1,741.00	-3,675.20	1,894,127.18	2,764,879.30	36.20549208	-107.69168910
9,579.00	89.09	316.380	4,912.85	1,809.54	-3,739.52	1,894,195.72	2,764,814.97	36.20568061	-107.69190680
9,673.00	88.34	316.040	4,914.96	1,877.38	-3,804.56	1,894,263.56	2,764,749.94	36.20586723	-107.69212690
9,767.00	88.08	316.250	4,917.90	1,945.13	-3,869.65	1,894,331.31	2,764,684.84	36.20605360	-107.69234721
9,861.00	88.33	316.180	4,920.84	2,012.96	-3,934.66	1,894,399.14	2,764,619.83	36.20624019	-107.69256724
9,955.00	87.49	315.430	4,924.27	2,080.31	-4,000.15	1,894,466.49	2,764,554.35	36.20642547	-107.69278888
10,049.00	87.60	315.560	4,928.29	2,147.28	-4,065.98	1,894,533.46	2,764,488.52	36.20660973	-107.69301169
10,142.00	87.68	315.050	4,932.12	2,213.34	-4,131.33	1,894,599.52	2,764,423.17	36.20679144	-107.69323290
10,236.00	87.81	314.220	4,935.82	2,279.33	-4,198.17	1,894,665.51	2,764,356.33	36.20697299	-107.69345913
10,331.00	90.09	317.400	4,937.56	2,347.42	-4,264.36	1,894,733.60	2,764,290.13	36.20716031	-107.69368317
10,424.00	90.35	317.620	4,937.21	2,416.00	-4,327.18	1,894,802.18	2,764,227.32	36.20734895	-107.69389577
10,519.00	89.68	314.830	4,937.18	2,484.59	-4,392.90	1,894,870.77	2,764,161.60	36.20753763	-107.69411820
10,613.00	87.78	313.720	4,939.27	2,550.19	-4,460.18	1,894,936.37	2,764,094.32	36.20771810	-107.69434595
10,708.00	87.61	313.820	4,943.09	2,615.86	-4,528.73	1,895,002.03	2,764,025.77	36.20789876	-107.69457798
10,802.00	86.67	313.120	4,947.78	2,680.44	-4,596.86	1,895,066.62	2,763,957.64	36.20807646	-107.69480862
Survey @ 10802.00 MD 4947.78 TVD									
10,846.90	86.67	313.120	4,950.38	2,711.08	-4,629.58	1,895,097.26	2,763,924.92	36.20816075	-107.69491937
LTP @ 10846.90 MD 4950.38 TVD									
10,853.00	86.67	313.120	4,950.74	2,715.24	-4,634.02	1,895,101.42	2,763,920.48	36.20817220	-107.69493442
330 ppd @ 10853.00 MD 4950.74 TVD									
10,880.00	86.67	313.120	4,952.31	2,733.67	-4,653.70	1,895,119.85	2,763,900.80	36.20822289	-107.69500102
Survey proj. to 10880.00 MD 4952.31 TVD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
420.00	419.88	-7.55	-4.07	MWD surveys
5,359.93	4,849.70	-1,190.32	-784.36	FTP @ 5359.93 MD 4849.70 TVD
5,507.80	4,884.82	-1,086.89	-883.69	9 5/8" Casing shoe @ 5507.80 MD 4884.82 TVD
10,802.00	4,947.78	2,680.44	-4,596.86	Survey @ 10802.00 MD 4947.78 TVD
10,846.90	4,950.38	2,711.08	-4,629.58	LTP @ 10846.90 MD 4950.38 TVD
10,853.00	4,950.74	2,715.24	-4,634.02	330 ppd @ 10853.00 MD 4950.74 TVD
10,880.00	4,952.31	2,733.67	-4,653.70	Survey proj. to 10880.00 MD 4952.31 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 340308

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340308
	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 340308

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 340308
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 9/2/2024	6/3/2024