

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 Enduring Resources IV LLC. 200 Energy Court Farmington NM 87401		² OGRID Number 372286	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-045-38323	⁵ Pool Name BASIN MANCOS		⁶ Pool Code 97232
⁷ Property Code 321253	⁸ Property Name RODEO UNIT		⁹ Well Number 504H

II. ¹⁰ Surface Location

Ul or lot no. H	Section 25	Township 23N	Range 9W	Lot Idn	Feet from the 1471’	North/South Line NORTH	Feet from the 408’	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location

UL or lot no. H	Section 29	Township 23N	Range 8W	Lot Idn	Feet from the 2248’	North/South line NORTH	Feet from the 38’	East/West line EAST	County SAN JUAN
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 2/5/24		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, LLC165		O
373888	HARVEST FOUR CORNERS. LLC		G

IV. Well Completion Data

²¹ Spud Date 10/11/2023	²² Ready Date 2/5/24	²³ TD 14,565’ MD 4842’ TVD	²⁴ PBTD 14,503’ MD 4846’ TVD	²⁵ Perforations 5,551’ – 14,428’MD 4,862’ -4,855’ TVD Frac Sleeve 14,444	²⁶ DHC, MC R-14313
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5”		13.375”,54.5#, J-55		377’ MD	372 sx
12.25”		9.625”,36#, J-55		2,996’ MD	731 sx
8.5”		5.5”,17#, P-110		14,552’ MD	2,225 sx
		2.875”, 6.5# J-55		5,694	

V. Well Test Data

³¹ Date New Oil 2/8/24	³² Gas Delivery Date 2/5/24	³³ Test Date 2/9/24	³⁴ Test Length 24	³⁵ Tbg. Pressure 85	³⁶ Csg. Pressure 735
³⁷ Choke Size 64/64	³⁸ Oil 47 bbls	³⁹ Water 528 bbls	⁴⁰ Gas 831 Mcf		⁴¹ Test Method F

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>Heather Huntington</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>			
Printed name: Heather Huntington		Title: <i>PETROLEUM SPECIALIST</i>			
Title: Permitting Technician		Approval Date: <i>5/14/2024</i>			
E-mail Address: hhuntington@enduringresources.com					
Date: 3/12/24	Phone: 505-636-9751				



ENDURING RESOURCES IV LLC

January 9, 2024

Re: RODEO UNIT 504H-30-045-38323

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

A handwritten signature in blue ink that reads "Heather Huntington". The signature is fluid and cursive, with the first name "Heather" and last name "Huntington" clearly distinguishable.

Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38323	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 321253	⁵ Property Name RODEO UNIT	⁶ Well Number 504H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6883'

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	25	23N	9W		1471	NORTH	408	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
H	29	23N	8W		2248	NORTH	38	EAST	SAN JUAN

¹² Dedicated Acres 640.97	N/2 - Section 29 N/2 - Section 30	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14313
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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

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.
 1/9/24
Signature Date
Heather Huntington
Printed Name
hhuntington@enduringresources.com
E-mail Address

18 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.
Date Revised: JANUARY 8, 2024
Survey Date: SEPTEMBER 15, 2021
Signature and Seal of Professional Surveyor

Jason C. Edwards
Certificate Number 15269

SURFACE LOCATION (A)
1471' FNL 408' FEL
SEC 25, T23N, R9W

LAT 36.201023°N
LONG -107.732908°W
DATUM: NAD1983

2244.0'

FIRST TAKE POINT (B)
1067' FNL 1735' FWL
SEC 30, T23N, R8W

LAT 36.202154°N
LONG -107.725645°W
DATUM: NAD1983

8908.2'

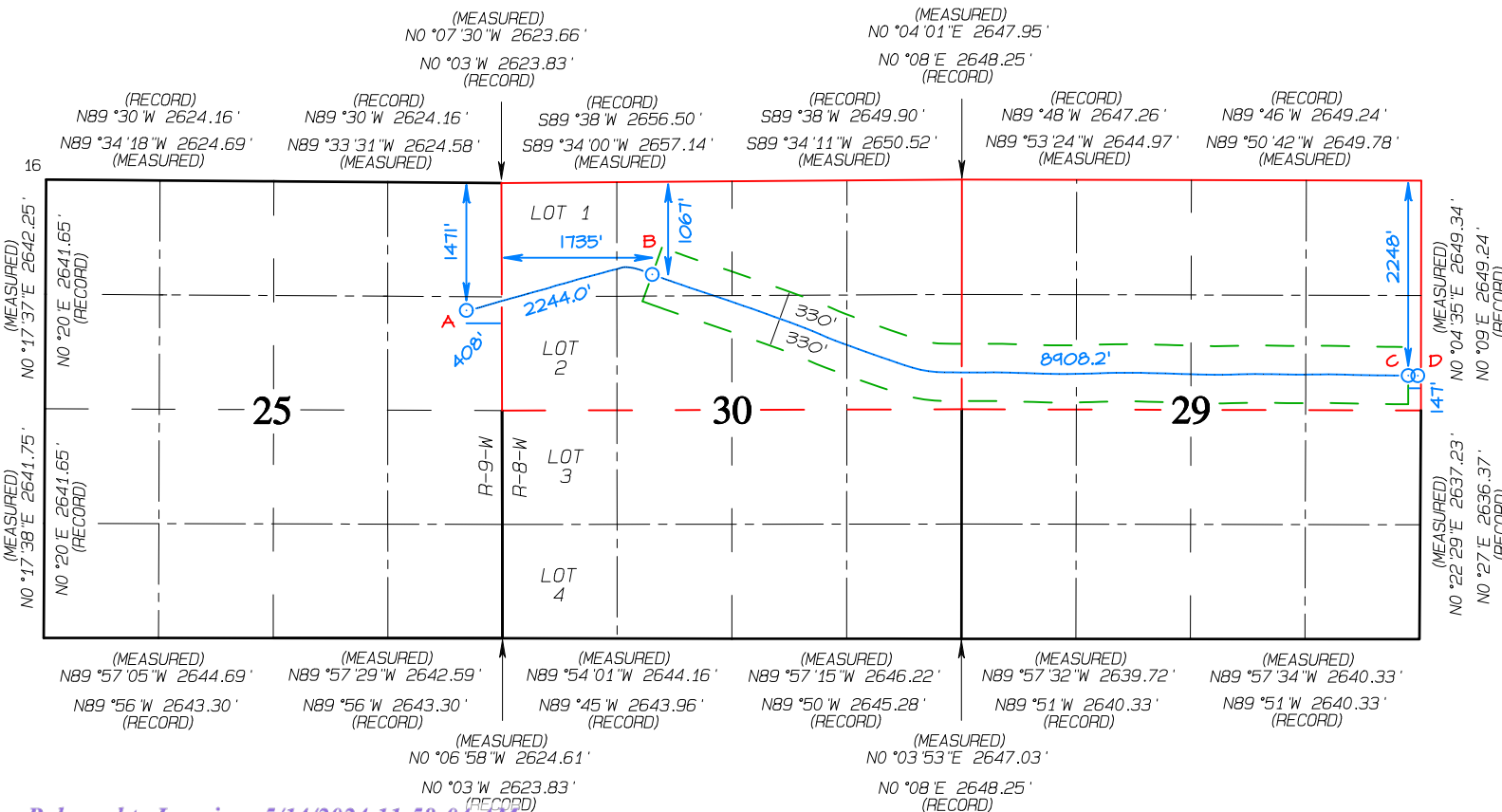
LAST TAKE POINT (C)
2248' FNL 147' FEL
SEC 29, T23N, R8W

LAT 36.198921°N
LONG -107.696114°W
DATUM: NAD1983

109.7'

END OF LATERAL (D)
2248' FNL 38' FEL
SEC 29, T23N, R8W

LAT 36.198918°N
LONG -107.695742°W
DATUM: NAD1983



AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38323		² Pool Code 97232		³ Pool Name BASIN MANCOS	
⁴ Property Code 321253		⁵ Property Name RODEO UNIT			⁶ Well Number 504H
⁷ OGRID No. 372286		⁸ Operator Name ENDURING RESOURCES, LLC			⁹ Elevation 6883'

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	25	23N	9W		1471	NORTH	408	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
H	29	23N	8W		2248	NORTH	38	EAST	SAN JUAN

¹² Dedicated Acres 640.97		N/2 - Section 29 N/2 - Section 30		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14313
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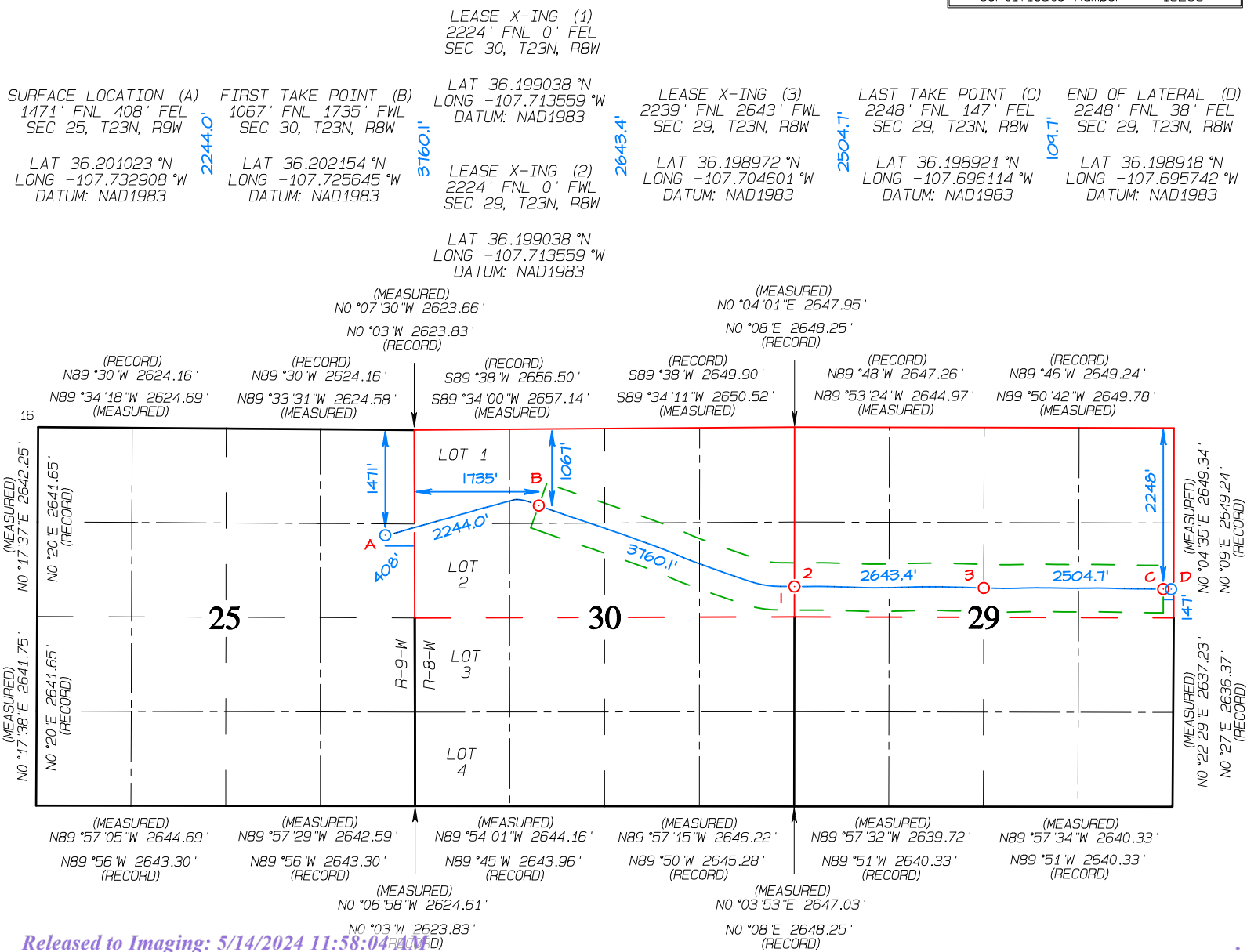
Signature Heather Huntington Date 1/9/24
Printed Name Heather Huntington
E-mail Address hhuntington@enduringresources.com

18 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.

Date Revised: JANUARY 8, 2024
Survey Date: SEPTEMBER 15, 2021

Signature and Seal of Professional Surveyor


JASON C. EDWARDS
Certificate Number 15269





Well: Rodeo Unit #504H
Site: Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev5 RKB=25 ft
Rig: Aztec 1000

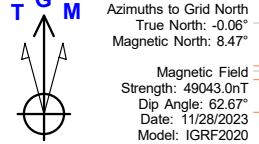
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Rodeo 504 Int tgt 2265 FNL 330 FEL r4	4878.00	-759.46	5379.73	1891725.713	2758100.368	36.198920000	-107.714677000
Rodeo 504 FTP 1136 FNL 1946 FWL r4	4888.29	346.17	2353.12	1892831.342	2755073.758	36.201967000	-107.724931000
Rodeo 504 LTP 2269 FNL 100 FEL r4	4896.00	-773.29	10903.86	1891711.889	2763624.488	36.198862000	-107.695954000
Rodeo 504 VS=0	4896.00	0.00	0.00	1892485.174	2752720.648	36.201023000	-107.732908000

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=6883+25 @ 6908.00ft (Aztec 1000)
Surface location:
Northing: 1892485.174
Easting: 2752720.648
Latitude: 36.201023000
Longitude: -107.732908000

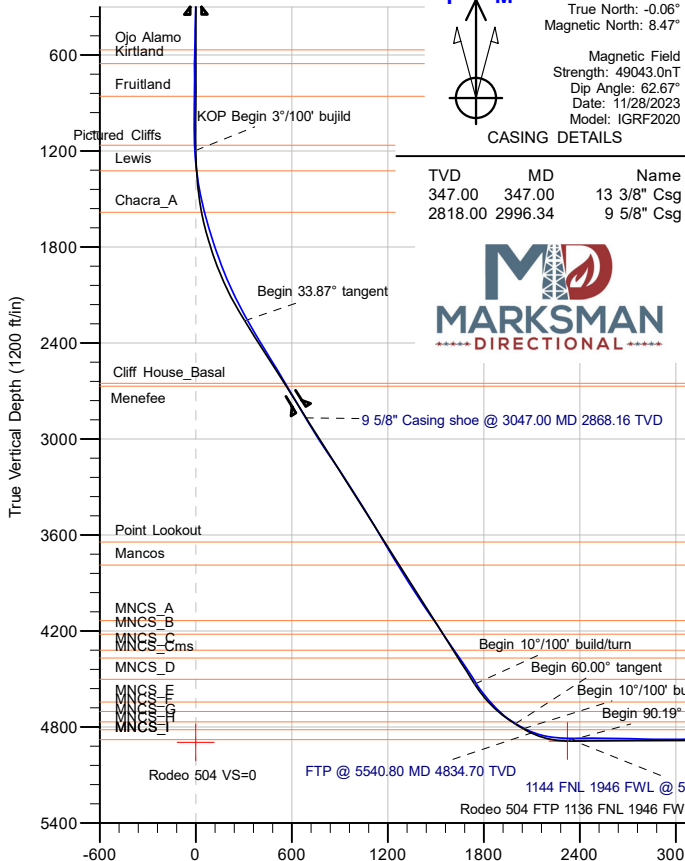
Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.47°
ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
450.00	1.14	255.610	449.97	-1.09	-4.26	-4.17	MWD surveys
3047.00	32.01	72.30	2868.16	189.58	702.57	687.94	9 5/8" Casing shoe @ 3047.00 MD 2868.16 TVD
5540.80	70.02	109.804	4834.70	414.00	2142.43	2109.04	FTP @ 5540.80 MD 4834.70 TVD
5770.00	88.44	109.337	4870.98	337.88	2354.39	2325.71	1144 FNL 1946 FWL @ 5770.00 MD 4870.98 TVD
14455.10	92.87	90.326	4848.70	-751.79	10856.76	10882.76	LTP @ 14455.10 MD 4848.70 TVD
14502.00	93.33	90.670	4846.14	-752.23	10903.59	10929.51	Survey @ 14502.00 MD 4846.15 TVD
14502.00	93.33	90.670	4846.14	-752.23	10903.59	10929.51	2248 FNL 100 FEL @ 14502.00 MD 4846.14 TVD
14565.00	93.33	90.670	4842.48	-752.97	10966.48	10992.30	Survey proj. to 14565 MD 4842.48 TVD 2249 FNL 37 FEL

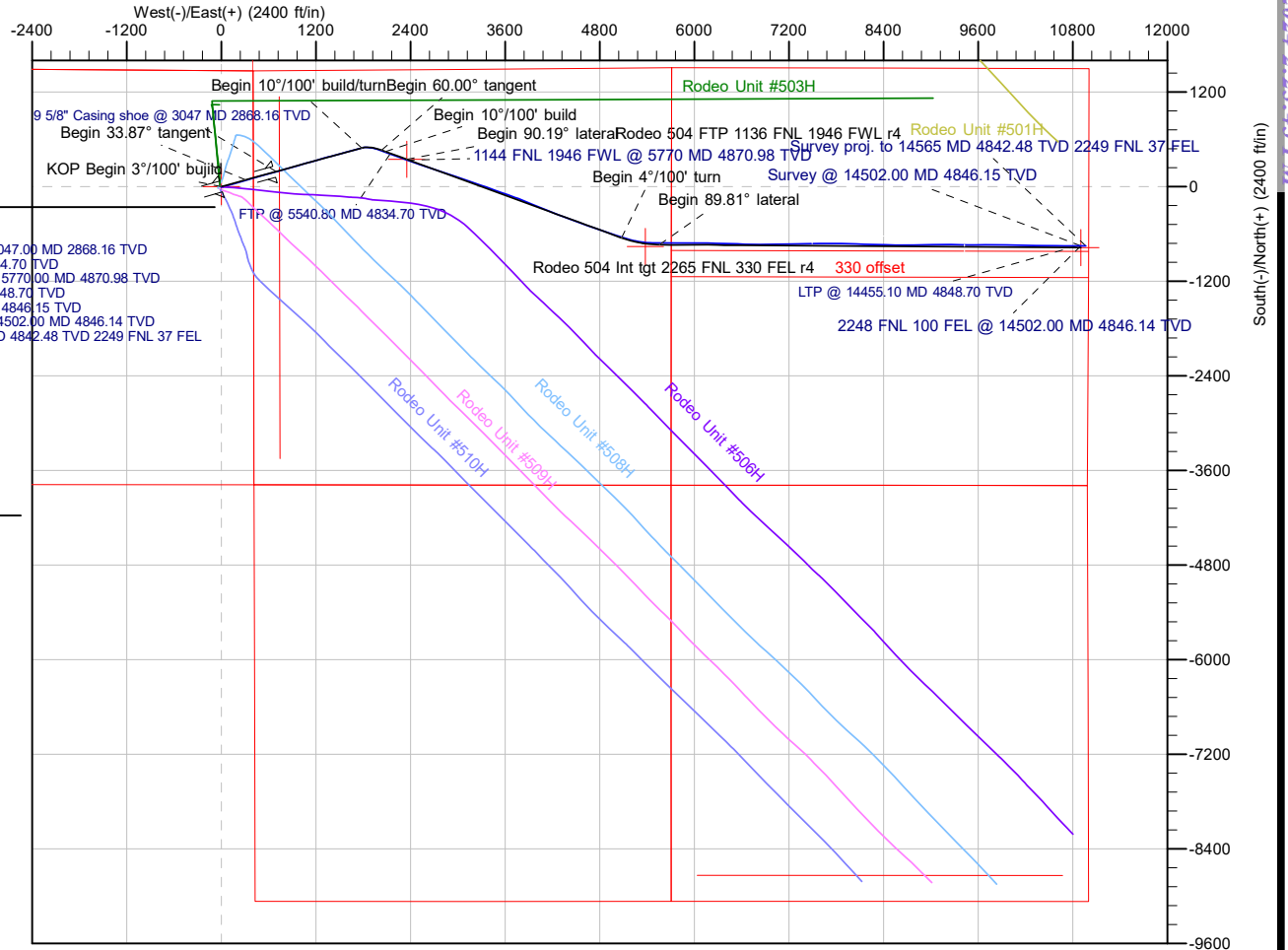


CASING DETAILS

TVD	MD	Name
347.00	347.00	13 3/8" Csg
2818.00	2996.34	9 5/8" Csg



Section Details										Annotation
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	1197.00	0.00	0.000	1197.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' builid
3	2325.86	33.87	74.615	2261.27	85.97	312.41	3.00	74.61	305.54	Begin 33.87° tangent
4	5061.82	33.87	74.615	4533.06	490.46	1782.39	0.00	0.00	1743.22	Begin 10°/100' build/turn
5	5422.53	60.00	110.067	4781.24	462.61	2034.37	10.00	58.56	1996.55	Begin 60.00° tangent
6	5482.53	60.00	110.067	4811.24	444.78	2083.18	0.00	0.00	2046.50	Begin 10°/100' build
7	5784.43	90.19	110.067	4888.00	345.83	2354.05	10.00	0.00	2323.69	Begin 90.19° lateral
8	8684.43	90.19	110.067	4878.38	-649.21	5077.98	0.00	0.00	5111.19	Begin 4°/100' turn
9	9176.24	89.81	90.398	4878.38	-736.15	5559.60	4.00	-91.09	5597.75	Begin 89.81° lateral
10	14520.66	89.81	90.398	4896.00	-773.29	10903.86	0.00	0.00	10931.25	PBHL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)		
Site Position:		Northing:	1,892,465.480 usft
From:	Lat/Long	Easting:	2,752,685.264 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.200969000
		Longitude:	-107.733028000

Well	Rodeo Unit #504H, Surf loc: 1471 FNL 408 FEL Section 25-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,485.174 usft	Latitude:	36.201023000
	+E/-W	0.00 ft	Easting:	2,752,720.648 usft	Longitude:	-107.732908000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,883.00 ft
Grid Convergence:		0.06 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/28/2023	8.53	62.67	49,043.04039744

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	93.928	

Survey Program	Date	12/29/2023			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,980.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
3,057.00	14,502.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,565.00	14,565.00	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
8.00	0.00	0.000	8.00	0.00	0.00	0.00	0.00	0.00	0.00
450.00	1.14	255.610	449.97	-1.09	-4.26	-4.17	0.26	0.26	0.00
480.00	1.13	256.120	479.96	-1.24	-4.84	-4.74	0.05	-0.03	1.70
538.00	1.17	244.590	537.95	-1.63	-5.93	-5.80	0.40	0.07	-19.88
599.00	1.00	247.650	598.94	-2.10	-6.98	-6.82	0.29	-0.28	5.02
659.00	0.34	275.300	658.94	-2.28	-7.64	-7.47	1.19	-1.10	46.08



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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)	
720.00	0.36	266.770	719.94	-2.28	-8.01	-7.84	0.09	0.03	-13.98	
780.00	0.44	213.580	779.94	-2.48	-8.33	-8.14	0.61	0.13	-88.65	
840.00	0.15	220.750	839.93	-2.73	-8.51	-8.30	0.49	-0.48	11.95	
899.00	0.17	221.900	898.93	-2.85	-8.62	-8.40	0.03	0.03	1.95	
958.00	0.43	212.760	957.93	-3.10	-8.79	-8.56	0.45	0.44	-15.49	
1,024.00	0.50	191.540	1,023.93	-3.59	-8.99	-8.72	0.28	0.11	-32.15	
1,087.00	0.32	192.710	1,086.93	-4.04	-9.08	-8.78	0.29	-0.29	1.86	
1,150.00	1.20	107.130	1,149.92	-4.40	-8.49	-8.17	1.93	1.40	-135.84	
1,213.00	3.58	90.070	1,212.87	-4.60	-5.89	-5.56	3.90	3.78	-27.08	
1,274.00	5.75	87.500	1,273.66	-4.47	-0.93	-0.62	3.57	3.56	-4.21	
1,339.00	7.82	86.050	1,338.20	-4.02	6.73	6.99	3.20	3.18	-2.23	
1,402.00	9.68	82.830	1,400.47	-3.06	16.26	16.44	3.05	2.95	-5.11	
1,465.00	11.60	78.660	1,462.38	-1.16	27.73	27.75	3.28	3.05	-6.62	
1,528.00	13.21	76.090	1,523.91	1.82	40.93	40.71	2.70	2.56	-4.08	
1,591.00	14.78	75.210	1,585.04	5.60	55.69	55.17	2.51	2.49	-1.40	
1,655.00	16.68	74.440	1,646.64	10.15	72.43	71.57	2.99	2.97	-1.20	
1,718.00	18.19	73.970	1,706.74	15.29	90.59	89.33	2.41	2.40	-0.75	
1,781.00	19.25	74.050	1,766.41	20.86	110.03	108.34	1.68	1.68	0.13	
1,844.00	20.49	73.870	1,825.66	26.78	130.61	128.47	1.97	1.97	-0.29	
1,907.00	21.55	73.350	1,884.46	33.16	152.29	149.66	1.71	1.68	-0.83	
1,970.00	22.68	73.110	1,942.83	40.00	174.99	171.84	1.80	1.79	-0.38	
2,032.00	24.05	73.750	1,999.74	47.01	198.56	194.88	2.25	2.21	1.03	
2,096.00	26.04	73.600	2,057.72	54.62	224.56	220.29	3.11	3.11	-0.23	
2,159.00	27.55	73.120	2,113.95	62.76	251.77	246.88	2.42	2.40	-0.76	
2,222.00	29.15	73.610	2,169.40	71.32	280.43	274.89	2.57	2.54	0.78	
2,285.00	30.48	73.770	2,224.06	80.12	310.50	304.28	2.11	2.11	0.25	
2,348.00	31.66	74.190	2,278.02	89.09	341.75	334.84	1.90	1.87	0.67	
2,411.00	32.00	74.120	2,331.54	98.16	373.71	366.11	0.54	0.54	-0.11	
2,475.00	32.28	74.190	2,385.74	107.45	406.46	398.15	0.44	0.44	0.11	
2,538.00	32.66	74.270	2,438.89	116.65	439.01	429.99	0.61	0.60	0.13	
2,601.00	33.04	74.650	2,491.81	125.80	471.94	462.21	0.69	0.60	0.60	
2,664.00	33.19	74.620	2,544.58	134.92	505.13	494.70	0.24	0.24	-0.05	
2,727.00	33.02	74.700	2,597.35	144.02	538.31	527.18	0.28	-0.27	0.13	
2,790.00	32.67	74.490	2,650.28	153.10	571.25	559.42	0.58	-0.56	-0.33	
2,854.00	31.91	74.200	2,704.38	162.33	604.17	591.63	1.21	-1.19	-0.45	
2,917.00	31.85	74.340	2,757.88	171.35	636.20	622.97	0.15	-0.10	0.22	
2,980.00	32.01	74.730	2,811.35	180.23	668.31	654.40	0.41	0.25	0.62	
3,057.00	32.01	74.730	2,876.64	190.98	707.69	692.94	0.00	0.00	0.00	
3,073.00	31.52	72.740	2,890.25	193.34	715.77	700.85	7.23	-3.06	-12.44	
3,167.00	32.99	75.230	2,969.74	207.15	763.99	748.00	2.11	1.56	2.65	
3,261.00	35.80	74.970	3,047.30	220.81	815.29	798.25	2.99	2.99	-0.28	
3,356.00	35.65	74.710	3,124.42	235.32	868.83	850.67	0.22	-0.16	-0.27	
3,450.00	35.20	73.980	3,201.02	250.02	921.30	902.01	0.66	-0.48	-0.78	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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)
3,545.00	34.61	72.710	3,278.93	265.59	973.38	952.90	0.99	-0.62	-1.34
3,639.00	33.91	71.310	3,356.62	281.93	1,023.71	1,001.99	1.12	-0.74	-1.49
3,734.00	33.71	76.450	3,435.57	296.60	1,074.45	1,051.61	3.02	-0.21	5.41
3,828.00	32.75	75.340	3,514.20	309.15	1,124.40	1,100.59	1.21	-1.02	-1.18
3,922.00	30.91	72.910	3,594.07	322.68	1,172.09	1,147.23	2.39	-1.96	-2.59
4,017.00	33.46	73.360	3,674.46	337.35	1,220.51	1,194.53	2.70	2.68	0.47
4,111.00	33.52	73.330	3,752.85	352.22	1,270.20	1,243.09	0.07	0.06	-0.03
4,205.00	32.52	74.210	3,831.67	366.54	1,319.38	1,291.17	1.18	-1.06	0.94
4,300.00	34.50	76.840	3,910.88	379.61	1,370.16	1,340.94	2.58	2.08	2.77
4,394.00	34.93	75.170	3,988.15	392.56	1,422.10	1,391.87	1.11	0.46	-1.78
4,489.00	35.04	74.690	4,065.98	406.73	1,474.69	1,443.37	0.31	0.12	-0.51
4,583.00	36.53	75.560	4,142.24	420.83	1,527.82	1,495.40	1.67	1.59	0.93
4,677.00	34.48	73.150	4,218.76	435.52	1,580.38	1,546.84	2.64	-2.18	-2.56
4,771.00	36.40	75.560	4,295.34	450.19	1,632.86	1,598.19	2.53	2.04	2.56
4,866.00	35.75	75.820	4,372.13	464.02	1,687.07	1,651.32	0.70	-0.68	0.27
4,960.00	35.71	75.270	4,448.43	477.72	1,740.22	1,703.41	0.34	-0.04	-0.59
4,991.00	34.53	74.250	4,473.79	482.40	1,757.43	1,720.26	4.25	-3.81	-3.29
5,022.00	33.06	72.550	4,499.55	487.32	1,773.95	1,736.40	5.64	-4.74	-5.48
5,054.00	32.95	74.370	4,526.39	492.29	1,790.66	1,752.73	3.12	-0.34	5.69
5,085.00	35.11	80.840	4,552.09	495.98	1,807.59	1,769.37	13.59	6.97	20.87
5,116.00	37.02	87.200	4,577.15	497.85	1,825.72	1,787.33	13.55	6.16	20.52
5,148.00	38.77	92.660	4,602.41	497.86	1,845.36	1,806.92	11.82	5.47	17.06
5,179.00	40.29	95.330	4,626.32	496.48	1,865.03	1,826.65	7.35	4.90	8.61
5,210.00	42.07	96.760	4,649.65	494.32	1,885.33	1,847.04	6.50	5.74	4.61
5,242.00	43.54	98.390	4,673.13	491.45	1,906.88	1,868.74	5.75	4.59	5.09
5,273.00	45.95	101.740	4,695.15	487.63	1,928.36	1,890.43	10.87	7.77	10.81
5,305.00	49.22	104.810	4,716.73	482.19	1,951.34	1,913.73	12.43	10.22	9.59
5,336.00	52.59	107.010	4,736.28	475.59	1,974.47	1,937.25	12.19	10.87	7.10
5,368.00	55.96	109.240	4,754.97	467.50	1,999.15	1,962.43	11.95	10.53	6.97
5,399.00	59.43	110.390	4,771.53	458.61	2,023.79	1,987.62	11.62	11.19	3.71
5,431.00	61.45	110.920	4,787.32	448.79	2,049.84	2,014.28	6.47	6.31	1.66
5,462.00	61.97	110.910	4,802.01	439.05	2,075.33	2,040.39	1.68	1.68	-0.03
5,494.00	64.24	110.670	4,816.48	428.92	2,102.01	2,067.70	7.13	7.09	-0.75
5,525.00	67.97	110.160	4,829.04	419.04	2,128.57	2,094.87	12.13	12.03	-1.65
5,556.00	71.99	109.470	4,839.65	409.17	2,155.97	2,122.88	13.14	12.97	-2.23
5,588.00	75.48	109.780	4,848.61	398.85	2,184.90	2,152.45	10.95	10.91	0.97
5,619.00	77.68	110.160	4,855.80	388.55	2,213.24	2,181.42	7.20	7.10	1.23
5,651.00	80.58	110.030	4,861.84	377.76	2,242.75	2,211.60	9.07	9.06	-0.41
5,682.00	83.80	109.630	4,866.05	367.34	2,271.64	2,241.14	10.47	10.39	-1.29
5,714.00	86.87	109.770	4,868.65	356.59	2,301.66	2,271.83	9.60	9.59	0.44
5,745.00	87.67	109.500	4,870.13	346.18	2,330.82	2,301.63	2.72	2.58	-0.87
5,808.00	89.61	109.090	4,871.62	325.37	2,390.26	2,362.36	3.15	3.08	-0.65



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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)	
5,902.00	91.79	109.870	4,870.48	294.03	2,478.87	2,452.91	2.46	2.32	0.83	
5,996.00	88.80	108.510	4,869.99	263.14	2,567.63	2,543.58	3.49	-3.18	-1.45	
6,091.00	88.70	108.200	4,872.06	233.23	2,657.78	2,635.56	0.34	-0.11	-0.33	
6,185.00	88.83	108.360	4,874.09	203.75	2,747.02	2,726.61	0.22	0.14	0.17	
6,280.00	88.37	108.120	4,876.41	174.03	2,837.21	2,818.63	0.55	-0.48	-0.25	
6,374.00	89.88	108.540	4,877.85	144.47	2,926.43	2,909.66	1.67	1.61	0.45	
6,468.00	90.47	109.250	4,877.56	114.03	3,015.37	3,000.47	0.98	0.63	0.76	
6,563.00	90.92	109.190	4,876.41	82.76	3,105.06	3,092.10	0.48	0.47	-0.06	
6,657.00	91.23	109.290	4,874.64	51.79	3,193.80	3,182.75	0.35	0.33	0.11	
6,752.00	91.05	108.220	4,872.75	21.25	3,283.73	3,274.57	1.14	-0.19	-1.13	
6,845.00	89.73	110.380	4,872.12	-9.49	3,371.50	3,364.23	2.72	-1.42	2.32	
6,939.00	90.00	109.770	4,872.34	-41.75	3,459.79	3,454.52	0.71	0.29	-0.65	
7,034.00	90.40	109.790	4,872.01	-73.90	3,549.18	3,545.91	0.42	0.42	0.02	
7,128.00	90.78	109.610	4,871.04	-105.58	3,637.67	3,636.36	0.45	0.40	-0.19	
7,223.00	90.94	109.630	4,869.62	-137.48	3,727.15	3,727.81	0.17	0.17	0.02	
7,317.00	90.15	111.050	4,868.72	-170.15	3,815.28	3,817.97	1.73	-0.84	1.51	
7,411.00	90.59	111.180	4,868.12	-204.01	3,902.97	3,907.77	0.49	0.47	0.14	
7,505.00	90.95	112.340	4,866.85	-238.86	3,990.26	3,997.25	1.29	0.38	1.23	
7,599.00	91.26	114.010	4,865.04	-275.84	4,076.65	4,085.97	1.81	0.33	1.78	
7,693.00	91.34	113.920	4,862.91	-314.01	4,162.53	4,174.26	0.13	0.09	-0.10	
7,788.00	90.04	110.190	4,861.76	-349.67	4,250.55	4,264.52	4.16	-1.37	-3.93	
7,882.00	90.33	109.710	4,861.46	-381.75	4,338.91	4,354.87	0.60	0.31	-0.51	
7,977.00	90.74	110.090	4,860.57	-414.08	4,428.24	4,446.20	0.59	0.43	0.40	
8,072.00	91.35	110.290	4,858.84	-446.86	4,517.38	4,537.38	0.68	0.64	0.21	
8,166.00	91.56	109.680	4,856.45	-478.98	4,605.69	4,627.68	0.69	0.22	-0.65	
8,260.00	91.44	109.160	4,853.99	-510.22	4,694.31	4,718.24	0.57	-0.13	-0.55	
8,355.00	91.56	109.020	4,851.50	-541.28	4,784.06	4,809.90	0.19	0.13	-0.15	
8,450.00	91.35	108.870	4,849.09	-572.12	4,873.88	4,901.63	0.27	-0.22	-0.16	
8,544.00	91.29	108.850	4,846.93	-602.49	4,962.81	4,992.43	0.07	-0.06	-0.02	
8,637.00	91.54	108.960	4,844.63	-632.62	5,050.77	5,082.24	0.29	0.27	0.12	
8,732.00	91.50	106.020	4,842.11	-661.15	5,141.34	5,174.55	3.09	-0.04	-3.09	
8,827.00	91.84	102.610	4,839.34	-684.63	5,233.33	5,267.94	3.61	0.36	-3.59	
8,921.00	91.87	98.140	4,836.30	-701.55	5,325.73	5,361.27	4.75	0.03	-4.76	
9,015.00	91.26	93.710	4,833.73	-711.24	5,419.16	5,455.16	4.76	-0.65	-4.71	
9,109.00	91.37	89.890	4,831.57	-714.19	5,513.08	5,549.05	4.06	0.12	-4.06	
9,203.00	90.00	91.160	4,830.45	-715.05	5,607.06	5,642.87	1.99	-1.46	1.35	
9,297.00	89.73	90.240	4,830.67	-716.20	5,701.05	5,736.72	1.02	-0.29	-0.98	
9,391.00	89.64	90.030	4,831.18	-716.42	5,795.05	5,830.51	0.24	-0.10	-0.22	
9,485.00	90.03	89.860	4,831.46	-716.33	5,889.05	5,924.29	0.45	0.41	-0.18	
9,579.00	90.19	89.450	4,831.27	-715.77	5,983.05	6,018.02	0.47	0.17	-0.44	
9,674.00	90.64	89.740	4,830.59	-715.10	6,078.04	6,112.75	0.56	0.47	0.31	
9,768.00	88.90	91.640	4,830.96	-716.23	6,172.03	6,206.59	2.74	-1.85	2.02	
9,862.00	89.00	91.860	4,832.69	-719.10	6,265.97	6,300.51	0.26	0.11	0.23	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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)
9,957.00	88.90	91.480	4,834.43	-721.87	6,360.91	6,395.42	0.41	-0.11	-0.40
10,051.00	88.79	91.270	4,836.32	-724.12	6,454.86	6,489.31	0.25	-0.12	-0.22
10,146.00	89.45	91.960	4,837.78	-726.80	6,549.81	6,584.22	1.01	0.69	0.73
10,240.00	90.25	92.660	4,838.03	-730.59	6,643.74	6,678.18	1.13	0.85	0.74
10,334.00	91.46	90.300	4,836.62	-733.02	6,737.69	6,772.07	2.82	1.29	-2.51
10,428.00	91.90	90.300	4,833.87	-733.51	6,831.64	6,865.84	0.47	0.47	0.00
10,523.00	89.70	89.480	4,832.54	-733.32	6,926.63	6,960.59	2.47	-2.32	-0.86
10,617.00	89.76	89.120	4,832.99	-732.18	7,020.62	7,054.28	0.39	0.06	-0.38
10,711.00	89.77	88.730	4,833.37	-730.41	7,114.60	7,147.92	0.42	0.01	-0.41
10,806.00	89.65	88.390	4,833.85	-728.03	7,209.57	7,242.51	0.38	-0.13	-0.36
10,900.00	89.74	88.270	4,834.35	-725.29	7,303.53	7,336.06	0.16	0.10	-0.13
10,994.00	89.86	88.440	4,834.68	-722.59	7,397.49	7,429.61	0.22	0.13	0.18
11,088.00	89.00	89.350	4,835.62	-720.77	7,491.47	7,523.24	1.33	-0.91	0.97
11,182.00	89.68	90.210	4,836.70	-720.41	7,585.46	7,616.99	1.17	0.72	0.91
11,277.00	88.92	88.790	4,837.86	-719.59	7,680.44	7,711.70	1.70	-0.80	-1.49
11,371.00	89.96	92.210	4,838.78	-720.41	7,774.42	7,805.51	3.80	1.11	3.64
11,465.00	90.11	92.120	4,838.72	-723.96	7,868.35	7,899.46	0.19	0.16	-0.10
11,560.00	89.29	89.970	4,839.22	-725.69	7,963.33	7,994.34	2.42	-0.86	-2.26
11,654.00	89.69	92.460	4,840.05	-727.68	8,057.30	8,088.22	2.68	0.43	2.65
11,749.00	89.19	91.700	4,840.98	-731.13	8,152.23	8,183.16	0.96	-0.53	-0.80
11,843.00	89.45	91.500	4,842.10	-733.75	8,246.19	8,277.08	0.35	0.28	-0.21
11,937.00	89.89	91.580	4,842.64	-736.28	8,340.15	8,371.00	0.48	0.47	0.09
12,032.00	90.43	91.590	4,842.37	-738.91	8,435.11	8,465.92	0.57	0.57	0.01
12,125.00	90.90	91.510	4,841.30	-741.42	8,528.07	8,558.83	0.51	0.51	-0.09
12,220.00	92.81	90.520	4,838.22	-743.11	8,623.00	8,653.65	2.26	2.01	-1.04
12,314.00	89.08	89.230	4,836.67	-742.90	8,716.97	8,747.38	4.20	-3.97	-1.37
12,408.00	88.51	88.270	4,838.65	-740.85	8,810.93	8,840.98	1.19	-0.61	-1.02
12,502.00	88.87	88.750	4,840.80	-738.41	8,904.87	8,934.53	0.64	0.38	0.51
12,596.00	88.63	88.370	4,842.85	-736.05	8,998.82	9,028.10	0.48	-0.26	-0.40
12,690.00	89.75	89.910	4,844.18	-734.63	9,092.79	9,121.76	2.03	1.19	1.64
12,784.00	90.66	90.900	4,843.84	-735.30	9,186.79	9,215.58	1.43	0.97	1.05
12,878.00	91.15	90.780	4,842.35	-736.68	9,280.77	9,309.43	0.54	0.52	-0.13
12,972.00	91.26	90.860	4,840.38	-738.02	9,374.74	9,403.27	0.14	0.12	0.09
13,066.00	91.25	90.970	4,838.32	-739.52	9,468.70	9,497.12	0.12	-0.01	0.12
13,160.00	91.10	90.280	4,836.39	-740.55	9,562.68	9,590.94	0.75	-0.16	-0.73
13,254.00	89.84	89.890	4,835.62	-740.69	9,656.67	9,684.72	1.40	-1.34	-0.41
13,348.00	88.82	89.460	4,836.72	-740.15	9,750.66	9,778.46	1.18	-1.09	-0.46
13,442.00	89.35	88.870	4,838.22	-738.78	9,844.64	9,872.12	0.84	0.56	-0.63
13,536.00	87.06	90.740	4,841.16	-738.46	9,938.58	9,965.82	3.14	-2.44	1.99
13,630.00	86.43	91.050	4,846.50	-739.93	10,032.42	10,059.54	0.75	-0.67	0.33
13,724.00	86.67	91.410	4,852.16	-741.94	10,126.22	10,153.26	0.46	0.26	0.38
13,819.00	86.88	91.390	4,857.50	-744.26	10,221.05	10,248.02	0.22	0.22	-0.02



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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)
13,913.00	88.23	91.540	4,861.51	-746.66	10,314.93	10,341.85	1.44	1.44	0.16
14,008.00	91.03	90.720	4,862.13	-748.54	10,409.90	10,436.72	3.07	2.95	-0.86
14,102.00	91.26	90.510	4,860.25	-749.54	10,503.87	10,530.54	0.33	0.24	-0.22
14,196.00	91.62	90.750	4,857.89	-750.58	10,597.84	10,624.36	0.46	0.38	0.26
14,290.00	91.97	90.620	4,854.94	-751.70	10,691.78	10,718.16	0.40	0.37	-0.14
14,384.00	91.98	89.570	4,851.70	-751.86	10,785.73	10,811.89	1.12	0.01	-1.12
14,478.00	93.15	90.570	4,847.50	-751.97	10,879.63	10,905.58	1.64	1.24	1.06
14,502.00	93.33	90.670	4,846.14	-752.23	10,903.59	10,929.51	0.86	0.75	0.42
14,565.00	93.33	90.670	4,842.48	-752.97	10,966.48	10,992.30	0.00	0.00	0.00

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
450.00	449.97	-1.09	-4.26	MWD surveys
3,047.00	2,868.16	189.58	702.57	9 5/8" Casing shoe @ 3047.00 MD 2868.16 TVD
5,540.80	4,834.70	414.00	2,142.43	FTP @ 5540.80 MD 4834.70 TVD
5,770.00	4,870.98	337.88	2,354.39	1144 FNL 1946 FWL @ 5770.00 MD 4870.98 TVD
14,455.10	4,848.70	-751.79	10,856.76	LTP @ 14455.10 MD 4848.70 TVD
14,502.00	4,846.14	-752.23	10,903.59	Survey @ 14502.00 MD 4846.15 TVD
14,502.00	4,846.14	-752.23	10,903.59	2248 FNL 100 FEL @ 14502.00 MD 4846.14 TVD
14,565.00	4,842.48	-752.97	10,966.48	Survey proj. to 14565 MD 4842.48 TVD 2249 FNL 37 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

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	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)				
Site Position:		Northing:	1,892,465.480 usft	Latitude:	36.200969000
From:	Lat/Long	Easting:	2,752,685.264 usft	Longitude:	-107.733028000
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.06 °

Well	Rodeo Unit #504H, Surf loc: 1471 FNL 408 FEL Section 25-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,485.174 usft	Latitude:	36.201023000
	+E/-W	0.00 ft	Easting:	2,752,720.648 usft	Longitude:	-107.732908000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,883.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/28/2023	8.53	62.67	49,043.04039744

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	93.928	

Survey Program	Date	12/29/2023			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,980.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
3,057.00	14,502.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,565.00	14,565.00	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	1,892,485.174	2,752,720.648	36.201023000	-107.732908000	
8.00	0.00	0.000	8.00	0.00	0.00	1,892,485.174	2,752,720.648	36.201023000	-107.732908000	
450.00	1.14	255.610	449.97	-1.09	-4.26	1,892,484.081	2,752,716.389	36.201020010	-107.732922440	
480.00	1.13	256.120	479.96	-1.24	-4.84	1,892,483.936	2,752,715.813	36.201019613	-107.732924393	
538.00	1.17	244.590	537.95	-1.63	-5.93	1,892,483.545	2,752,714.723	36.201018541	-107.732928089	
599.00	1.00	247.650	598.94	-2.10	-6.98	1,892,483.075	2,752,713.668	36.201017254	-107.732931666	
659.00	0.34	275.300	658.94	-2.28	-7.64	1,892,482.892	2,752,713.006	36.201016754	-107.732933909	
720.00	0.36	266.770	719.94	-2.28	-8.01	1,892,482.898	2,752,712.635	36.201016771	-107.732935168	
780.00	0.44	213.580	779.94	-2.48	-8.33	1,892,482.696	2,752,712.319	36.201016216	-107.732936239	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
840.00	0.15	220.750	839.93	-2.73	-8.51	1,892,482.444	2,752,712.140	36.201015526	-107.732936845
899.00	0.17	221.900	898.93	-2.85	-8.62	1,892,482.321	2,752,712.031	36.201015186	-107.732937215
958.00	0.43	212.760	957.93	-3.10	-8.79	1,892,482.069	2,752,711.853	36.201014496	-107.732937820
1,024.00	0.50	191.540	1,023.93	-3.59	-8.99	1,892,481.579	2,752,711.662	36.201013150	-107.732938471
1,087.00	0.32	192.710	1,086.93	-4.04	-9.08	1,892,481.138	2,752,711.568	36.201011939	-107.732938790
1,150.00	1.20	107.130	1,149.92	-4.40	-8.49	1,892,480.772	2,752,712.160	36.201010932	-107.732936786
1,213.00	3.58	90.070	1,212.87	-4.60	-5.89	1,892,480.575	2,752,714.757	36.201010384	-107.732927982
1,274.00	5.75	87.500	1,273.66	-4.47	-0.93	1,892,480.706	2,752,719.715	36.201010730	-107.732911177
1,339.00	7.82	86.050	1,338.20	-4.02	6.73	1,892,481.153	2,752,727.381	36.201011935	-107.732885194
1,402.00	9.68	82.830	1,400.47	-3.06	16.26	1,892,482.109	2,752,736.912	36.201014535	-107.732852884
1,465.00	11.60	78.660	1,462.38	-1.16	27.73	1,892,484.016	2,752,748.379	36.201019741	-107.732814011
1,528.00	13.21	76.090	1,523.91	1.82	40.93	1,892,486.992	2,752,761.578	36.201027879	-107.732769265
1,591.00	14.78	75.210	1,585.04	5.60	55.69	1,892,490.774	2,752,776.335	36.201038226	-107.732719231
1,655.00	16.68	74.440	1,646.64	10.15	72.43	1,892,495.322	2,752,793.078	36.201050673	-107.732662467
1,718.00	18.19	73.970	1,706.74	15.29	90.59	1,892,500.463	2,752,811.240	36.201064744	-107.732600890
1,781.00	19.25	74.050	1,766.41	20.86	110.03	1,892,506.033	2,752,830.677	36.201079988	-107.732534991
1,844.00	20.49	73.870	1,825.66	26.78	130.61	1,892,511.950	2,752,851.256	36.201096185	-107.732054424
1,907.00	21.55	73.350	1,884.46	33.16	152.29	1,892,518.329	2,752,872.934	36.201113646	-107.732391721
1,970.00	22.68	73.110	1,942.83	40.00	174.99	1,892,525.173	2,752,895.642	36.201132383	-107.732314730
2,032.00	24.05	73.750	1,999.74	47.01	198.56	1,892,532.181	2,752,919.209	36.201151568	-107.732234826
2,096.00	26.04	73.600	2,057.72	54.62	224.56	1,892,539.798	2,752,945.208	36.201172416	-107.732146677
2,159.00	27.55	73.120	2,113.95	62.76	251.77	1,892,547.933	2,752,972.417	36.201194687	-107.732054424
2,222.00	29.15	73.610	2,169.40	71.32	280.43	1,892,556.494	2,753,001.081	36.201218122	-107.731957241
2,285.00	30.48	73.770	2,224.06	80.12	310.50	1,892,565.289	2,753,031.144	36.201242198	-107.731855314
2,348.00	31.66	74.190	2,278.02	89.09	341.75	1,892,574.260	2,753,062.394	36.201266751	-107.7317479361
2,411.00	32.00	74.120	2,331.54	98.16	373.71	1,892,583.332	2,753,094.358	36.201291581	-107.731640990
2,475.00	32.28	74.190	2,385.74	107.45	406.46	1,892,592.628	2,753,127.111	36.201317024	-107.731529941
2,538.00	32.66	74.270	2,438.89	116.65	439.01	1,892,601.820	2,753,159.660	36.201342181	-107.731419586
2,601.00	33.04	74.650	2,491.81	125.80	471.94	1,892,610.975	2,753,192.585	36.201367235	-107.731307958
2,664.00	33.19	74.620	2,544.58	134.92	505.13	1,892,620.095	2,753,225.773	36.201392192	-107.731195437
2,727.00	33.02	74.700	2,597.35	144.02	538.31	1,892,629.197	2,753,258.956	36.201417102	-107.731082932
2,790.00	32.67	74.490	2,650.28	153.10	571.25	1,892,638.274	2,753,291.897	36.201441940	-107.730971246
2,854.00	31.91	74.200	2,704.38	162.33	604.17	1,892,647.498	2,753,324.818	36.201467186	-107.730859631
2,917.00	31.85	74.340	2,757.88	171.35	636.20	1,892,656.519	2,753,356.845	36.201491873	-107.730751045
2,980.00	32.01	74.730	2,811.35	180.23	668.31	1,892,665.403	2,753,388.958	36.201516186	-107.730642168
3,057.00	32.01	74.730	2,876.64	190.98	707.69	1,892,676.153	2,753,428.332	36.201545601	-107.730508673
3,073.00	31.52	72.740	2,890.25	193.34	715.77	1,892,678.510	2,753,436.417	36.201552055	-107.730481260
3,167.00	32.99	75.230	2,969.74	207.15	763.99	1,892,692.327	2,753,484.632	36.201589869	-107.730317788
3,261.00	35.80	74.970	3,047.30	220.81	815.29	1,892,705.983	2,753,535.940	36.201627235	-107.730143832
3,356.00	35.65	74.710	3,124.42	235.32	868.83	1,892,720.489	2,753,589.480	36.201666927	-107.729962310
3,450.00	35.20	73.980	3,201.02	250.02	921.30	1,892,735.190	2,753,641.944	36.201707158	-107.729784432
3,545.00	34.61	72.710	3,278.93	265.59	973.38	1,892,750.765	2,753,694.022	36.201749791	-107.729607858
3,639.00	33.91	71.310	3,356.62	281.93	1,023.71	1,892,767.102	2,753,744.351	36.201794522	-107.729437212
3,734.00	33.71	76.450	3,435.57	296.60	1,074.45	1,892,781.773	2,753,795.092	36.201834676	-107.729265174
3,828.00	32.75	75.340	3,514.20	309.15	1,124.40	1,892,794.320	2,753,845.050	36.201868996	-107.729095798
3,922.00	30.91	72.910	3,594.07	322.68	1,172.09	1,892,807.851	2,753,892.732	36.201906028	-107.728934134
4,017.00	33.46	73.360	3,674.46	337.35	1,220.51	1,892,822.524	2,753,941.155	36.201946191	-107.728769951
4,111.00	33.52	73.330	3,752.85	352.22	1,270.20	1,892,837.390	2,753,990.847	36.201986882	-107.728601466
4,205.00	32.52	74.210	3,831.67	366.54	1,319.38	1,892,851.711	2,754,040.026	36.202026078	-107.728437224
4,300.00	34.50	76.840	3,910.88	379.61	1,370.16	1,892,864.787	2,754,090.804	36.202061848	-107.728262567
4,394.00	34.93	75.170	3,988.15	392.56	1,422.10	1,892,877.736	2,754,142.742	36.202097265	-107.728086477
4,489.00	35.04	74.690	4,065.98	406.73	1,474.69	1,892,891.898	2,754,195.337	36.202136013	-107.727908154
4,583.00	36.53	75.560	4,142.24	420.83	1,527.82	1,892,906.000	2,754,248.460	36.202174595	-107.727728042
4,677.00	34.48	73.150	4,218.76	435.52	1,580.38	1,892,920.692	2,754,301.026	36.202214796	-107.727549817



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,771.00	36.40	75.560	4,295.34	450.19	1,632.86	1,892,935.361	2,754,353.509	36.202254938	-107.727371876
4,866.00	35.75	75.820	4,372.13	464.02	1,687.07	1,892,949.189	2,754,407.712	36.202292761	-107.727188102
4,960.00	35.71	75.270	4,448.43	477.72	1,740.22	1,892,962.891	2,754,460.867	36.202330242	-107.727007885
4,991.00	34.53	74.250	4,473.79	482.40	1,757.43	1,892,967.576	2,754,478.073	36.202343061	-107.726949546
5,022.00	33.06	72.550	4,499.55	487.32	1,773.95	1,892,972.497	2,754,494.597	36.202356529	-107.726893521
5,054.00	32.95	74.370	4,526.39	492.29	1,790.66	1,892,977.459	2,754,511.305	36.202370110	-107.726836872
5,085.00	35.11	80.840	4,552.09	495.98	1,807.59	1,892,981.152	2,754,528.232	36.202380202	-107.726779483
5,116.00	37.02	87.200	4,577.15	497.85	1,825.72	1,892,983.027	2,754,546.363	36.202385301	-107.726718023
5,148.00	38.77	92.660	4,602.41	497.86	1,845.36	1,892,983.033	2,754,566.000	36.202385257	-107.726651462
5,179.00	40.29	95.330	4,626.32	496.48	1,865.03	1,892,981.651	2,754,585.678	36.202381402	-107.726584769
5,210.00	42.07	96.760	4,649.65	494.32	1,885.33	1,892,979.498	2,754,605.974	36.202375424	-107.726515986
5,242.00	43.54	98.390	4,673.13	491.45	1,906.88	1,892,976.627	2,754,627.525	36.202367473	-107.726442948
5,273.00	45.95	101.740	4,695.15	487.63	1,928.36	1,892,972.801	2,754,649.002	36.202356899	-107.726370168
5,305.00	49.22	104.810	4,716.73	482.19	1,951.34	1,892,967.363	2,754,671.983	36.202341888	-107.726292293
5,336.00	52.59	107.010	4,736.28	475.59	1,974.47	1,892,960.758	2,754,695.112	36.202323675	-107.726213924
5,368.00	55.96	109.240	4,754.97	467.50	1,999.15	1,892,952.669	2,754,719.792	36.202301377	-107.726130302
5,399.00	59.43	110.390	4,771.53	458.61	2,023.79	1,892,943.783	2,754,744.436	36.202276894	-107.726046805
5,431.00	61.45	110.920	4,787.32	448.79	2,049.84	1,892,933.964	2,754,770.480	36.202249841	-107.725958567
5,462.00	61.97	110.910	4,802.01	439.05	2,075.33	1,892,924.220	2,754,795.978	36.202222994	-107.725872177
5,494.00	64.24	110.670	4,816.48	428.92	2,102.01	1,892,914.091	2,754,822.657	36.202195089	-107.725781787
5,525.00	67.97	110.160	4,829.04	419.04	2,128.57	1,892,904.208	2,754,849.216	36.202167858	-107.725691805
5,556.00	71.99	109.470	4,839.65	409.17	2,155.97	1,892,894.339	2,754,876.613	36.202140663	-107.725598980
5,588.00	75.48	109.780	4,848.61	398.85	2,184.90	1,892,884.023	2,754,905.543	36.202112234	-107.725500962
5,619.00	77.68	110.160	4,855.80	388.55	2,213.24	1,892,873.724	2,754,933.881	36.202083858	-107.725404948
5,651.00	80.58	110.030	4,861.84	377.76	2,242.75	1,892,862.929	2,754,963.391	36.202054110	-107.725304967
5,682.00	83.80	109.630	4,866.05	367.34	2,271.64	1,892,852.512	2,754,992.278	36.202025406	-107.725207093
5,714.00	86.87	109.770	4,868.65	356.59	2,301.66	1,892,841.762	2,755,022.302	36.201995782	-107.725105370
5,745.00	87.67	109.500	4,870.13	346.18	2,330.82	1,892,831.357	2,755,051.466	36.201967110	-107.725006559
5,808.00	89.61	109.090	4,871.62	325.37	2,390.26	1,892,810.547	2,755,110.907	36.201909759	-107.724805163
5,902.00	91.79	109.870	4,870.48	294.03	2,478.87	1,892,779.204	2,755,199.514	36.201823387	-107.724504954
5,996.00	88.80	108.510	4,869.99	263.14	2,567.63	1,892,748.311	2,755,288.277	36.201738246	-107.724204212
6,091.00	88.70	108.200	4,872.06	233.23	2,657.78	1,892,718.403	2,755,378.422	36.201655805	-107.723898784
6,185.00	88.83	108.360	4,874.09	203.75	2,747.02	1,892,688.925	2,755,467.657	36.201574552	-107.723596438
6,280.00	88.37	108.120	4,876.41	174.03	2,837.21	1,892,659.200	2,755,557.857	36.201492611	-107.723290827
6,374.00	89.88	108.540	4,877.85	144.47	2,926.43	1,892,629.642	2,755,647.074	36.201411135	-107.722988545
6,468.00	90.47	109.250	4,877.56	114.03	3,015.37	1,892,599.202	2,755,736.007	36.201327235	-107.722687229
6,563.00	90.92	109.190	4,876.41	82.76	3,105.06	1,892,567.931	2,755,825.705	36.201241049	-107.722383325
6,657.00	91.23	109.290	4,874.64	51.79	3,193.80	1,892,536.961	2,755,914.439	36.201155692	-107.722082688
6,752.00	91.05	108.220	4,872.75	21.25	3,283.73	1,892,506.423	2,756,004.375	36.201071518	-107.721777974
6,845.00	89.73	110.380	4,872.12	-9.49	3,371.50	1,892,475.688	2,756,092.139	36.200986809	-107.721480624
6,939.00	90.00	109.770	4,872.34	-41.75	3,459.79	1,892,443.423	2,756,180.427	36.200897893	-107.721181505
7,034.00	90.40	109.790	4,872.01	-73.90	3,549.18	1,892,411.275	2,756,269.821	36.200809294	-107.720878638
7,128.00	90.78	109.610	4,871.04	-105.58	3,637.67	1,892,379.589	2,756,358.314	36.200721970	-107.720578823
7,223.00	90.94	109.630	4,869.62	-137.48	3,727.15	1,892,347.694	2,756,447.788	36.200634064	-107.720275685
7,317.00	90.15	111.050	4,868.72	-170.15	3,815.28	1,892,315.023	2,756,535.920	36.200544031	-107.719977100
7,411.00	90.59	111.180	4,868.12	-204.01	3,902.97	1,892,281.161	2,756,623.606	36.200450727	-107.719680030
7,505.00	90.95	112.340	4,866.85	-238.86	3,990.26	1,892,246.318	2,756,710.899	36.200354727	-107.719384300
7,599.00	91.26	114.010	4,865.04	-275.84	4,076.65	1,892,209.333	2,756,797.294	36.200252848	-107.719091619
7,693.00	91.34	113.920	4,862.91	-314.01	4,162.53	1,892,171.162	2,756,883.169	36.200147711	-107.718800711
7,788.00	90.04	110.190	4,861.76	-349.67	4,250.55	1,892,135.500	2,756,971.193	36.200049458	-107.718502506
7,882.00	90.33	109.710	4,861.46	-381.75	4,338.91	1,892,103.428	2,757,059.551	36.199961064	-107.718203155
7,977.00	90.74	110.090	4,860.57	-414.08	4,428.24	1,892,071.093	2,757,148.874	36.199871946	-107.717900537
8,072.00	91.35	110.290	4,858.84	-446.86	4,517.38	1,892,038.311	2,757,238.021	36.199781599	-107.717598516
8,166.00	91.56	109.680	4,856.45	-478.98	4,605.69	1,892,006.195	2,757,326.331	36.199693083	-107.717299330



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,260.00	91.44	109.160	4,853.99	-510.22	4,694.31	1,891,974.952	2,757,414.953	36.199606963	-107.716999088
8,355.00	91.56	109.020	4,851.50	-541.28	4,784.06	1,891,943.892	2,757,504.697	36.199521344	-107.716695037
8,450.00	91.35	108.870	4,849.09	-572.12	4,873.88	1,891,913.060	2,757,594.522	36.199436347	-107.716390715
8,544.00	91.29	108.850	4,846.93	-602.49	4,962.81	1,891,882.682	2,757,683.451	36.199352600	-107.716089426
8,637.00	91.54	108.960	4,844.63	-632.62	5,050.77	1,891,852.559	2,757,771.408	36.199269558	-107.715791435
8,732.00	91.50	106.020	4,842.11	-661.15	5,141.34	1,891,824.021	2,757,861.974	36.199190860	-107.715484593
8,827.00	91.84	102.610	4,839.34	-684.63	5,233.33	1,891,800.545	2,757,953.971	36.199126062	-107.715172880
8,921.00	91.87	98.140	4,836.30	-701.55	5,325.73	1,891,783.630	2,758,046.362	36.199079285	-107.714859805
9,015.00	91.26	93.710	4,833.73	-711.24	5,419.16	1,891,773.933	2,758,139.801	36.199052333	-107.714543149
9,109.00	91.37	89.890	4,831.57	-714.19	5,513.08	1,891,770.982	2,758,233.712	36.199043909	-107.714224864
9,203.00	90.00	91.160	4,830.45	-715.05	5,607.06	1,891,770.121	2,758,327.697	36.199041225	-107.713906321
9,297.00	89.73	90.240	4,830.67	-716.20	5,701.05	1,891,768.972	2,758,421.689	36.199037752	-107.713587757
9,391.00	89.64	90.030	4,831.18	-716.42	5,795.05	1,891,768.751	2,758,515.687	36.199036825	-107.713269167
9,485.00	90.03	89.860	4,831.46	-716.33	5,889.05	1,891,768.841	2,758,609.686	36.199036753	-107.712950572
9,579.00	90.19	89.450	4,831.27	-715.77	5,983.05	1,891,769.407	2,758,703.684	36.199037987	-107.712631979
9,674.00	90.64	89.740	4,830.59	-715.10	6,078.04	1,891,770.079	2,758,798.678	36.199039506	-107.712310008
9,768.00	88.90	91.640	4,830.96	-716.23	6,172.03	1,891,768.947	2,758,892.662	36.199036075	-107.711991468
9,862.00	89.00	91.860	4,832.69	-719.10	6,265.97	1,891,766.077	2,758,986.603	36.199027867	-107.711673086
9,957.00	88.90	91.480	4,834.43	-721.87	6,360.91	1,891,763.309	2,759,081.546	36.199019935	-107.711351302
10,051.00	88.79	91.270	4,836.32	-724.12	6,454.86	1,891,761.053	2,759,175.500	36.199013415	-107.711032872
10,146.00	89.45	91.960	4,837.78	-726.80	6,549.81	1,891,758.376	2,759,270.449	36.199005732	-107.710711067
10,240.00	90.25	92.660	4,838.03	-730.59	6,643.74	1,891,754.588	2,759,364.371	36.198994997	-107.710392751
10,334.00	91.46	90.300	4,836.62	-733.02	6,737.69	1,891,752.160	2,759,458.321	36.198988001	-107.710074335
10,428.00	91.90	90.300	4,833.87	-733.51	6,831.64	1,891,751.668	2,759,552.278	36.198986321	-107.709755882
10,523.00	89.70	89.480	4,832.54	-733.32	6,926.63	1,891,751.850	2,759,647.262	36.198986489	-107.709433950
10,617.00	89.76	89.120	4,832.99	-732.18	7,020.62	1,891,752.999	2,759,741.254	36.198989314	-107.709115376
10,711.00	89.77	88.730	4,833.37	-730.41	7,114.60	1,891,754.762	2,759,835.236	36.198993827	-107.708796831
10,806.00	89.65	88.390	4,833.85	-728.03	7,209.57	1,891,757.150	2,759,930.205	36.199000050	-107.708474940
10,900.00	89.74	88.270	4,834.35	-725.29	7,303.53	1,891,759.889	2,760,024.163	36.199007243	-107.708156472
10,994.00	89.86	88.440	4,834.68	-722.59	7,397.49	1,891,762.588	2,760,118.124	36.199014322	-107.707837996
11,088.00	89.00	89.350	4,835.62	-720.77	7,491.47	1,891,764.400	2,760,212.099	36.199018968	-107.707519473
11,182.00	89.68	90.210	4,836.70	-720.41	7,585.46	1,891,764.761	2,760,306.091	36.199019624	-107.707200903
11,277.00	88.92	88.790	4,837.86	-719.59	7,680.44	1,891,765.590	2,760,401.077	36.199021561	-107.706878960
11,371.00	89.96	92.210	4,838.78	-720.41	7,774.42	1,891,764.770	2,760,495.053	36.199018970	-107.706560446
11,465.00	90.11	92.120	4,838.72	-723.96	7,868.35	1,891,761.218	2,760,588.986	36.199008878	-107.706242092
11,560.00	89.29	89.970	4,839.22	-725.69	7,963.33	1,891,759.486	2,760,683.962	36.199003776	-107.705920193
11,654.00	89.69	92.460	4,840.05	-727.68	8,057.30	1,891,757.493	2,760,777.930	36.198997962	-107.705601715
11,749.00	89.19	91.700	4,840.98	-731.13	8,152.23	1,891,754.045	2,760,872.861	36.198988146	-107.705279976
11,843.00	89.45	91.500	4,842.10	-733.75	8,246.19	1,891,751.421	2,760,966.818	36.198980596	-107.704961538
11,937.00	89.89	91.580	4,842.64	-736.28	8,340.15	1,891,748.894	2,761,060.782	36.198973314	-107.704643074
12,032.00	90.43	91.590	4,842.37	-738.91	8,435.11	1,891,746.267	2,761,155.744	36.198965749	-107.704321225
12,125.00	90.90	91.510	4,841.30	-741.42	8,528.07	1,891,743.751	2,761,248.704	36.198958499	-107.704006167
12,220.00	92.81	90.520	4,838.22	-743.11	8,623.00	1,891,742.069	2,761,343.633	36.198953529	-107.703684426
12,314.00	89.08	89.230	4,836.67	-742.90	8,716.97	1,891,742.275	2,761,437.601	36.198953749	-107.703365936
12,408.00	88.51	88.270	4,838.65	-740.85	8,810.93	1,891,744.325	2,761,531.557	36.198959034	-107.703047481
12,502.00	88.87	88.750	4,840.80	-738.41	8,904.87	1,891,746.768	2,761,625.500	36.198965400	-107.702729066
12,596.00	88.63	88.370	4,842.85	-736.05	8,998.82	1,891,749.130	2,761,719.447	36.198971540	-107.702410636
12,690.00	89.75	89.910	4,844.18	-734.63	9,092.79	1,891,750.540	2,761,813.423	36.198975065	-107.702092115
12,784.00	90.66	90.900	4,843.84	-735.30	9,186.79	1,891,749.876	2,761,907.417	36.198972891	-107.701773539
12,878.00	91.15	90.780	4,842.35	-736.68	9,280.77	1,891,748.498	2,762,001.395	36.198968755	-107.701455024
12,972.00	91.26	90.860	4,840.38	-738.02	9,374.74	1,891,747.153	2,762,095.364	36.198964709	-107.701136536
13,066.00	91.25	90.970	4,838.32	-739.52	9,468.70	1,891,745.652	2,762,189.330	36.198960234	-107.700818064
13,160.00	91.10	90.280	4,836.39	-740.55	9,562.68	1,891,744.627	2,762,283.304	36.198957065	-107.700499560
13,254.00	89.84	89.890	4,835.62	-740.69	9,656.67	1,891,744.488	2,762,377.298	36.198956328	-107.700180982



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #504H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Site:	Rodeo Unit (500, 501, 503, 504, 506, 508, 509&510)	MD Reference:	RKB=6883+25 @ 6908.00ft (Aztec 1000)
Well:	Rodeo Unit #504H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,348.00	88.82	89.460	4,836.72	-740.15	9,750.66	1,891,745.021	2,762,471.288	36.198957438	-107.699862415
13,442.00	89.35	88.870	4,838.22	-738.78	9,844.64	1,891,746.391	2,762,565.265	36.198960845	-107.699543889
13,536.00	87.06	90.740	4,841.16	-738.46	9,938.58	1,891,746.711	2,762,659.208	36.198961369	-107.699225485
13,630.00	86.43	91.050	4,846.50	-739.93	10,032.42	1,891,745.246	2,762,753.044	36.198956986	-107.698907450
13,724.00	86.67	91.410	4,852.16	-741.94	10,126.22	1,891,743.231	2,762,846.852	36.198951095	-107.698589514
13,819.00	86.88	91.390	4,857.50	-744.26	10,221.05	1,891,740.914	2,762,941.673	36.198944367	-107.698268146
13,913.00	88.23	91.540	4,861.51	-746.66	10,314.93	1,891,738.513	2,763,035.554	36.198937412	-107.697949962
14,008.00	91.03	90.720	4,862.13	-748.54	10,409.90	1,891,736.640	2,763,130.523	36.198931901	-107.697628089
14,102.00	91.26	90.510	4,860.25	-749.54	10,503.87	1,891,735.631	2,763,224.499	36.198928769	-107.697309580
14,196.00	91.62	90.750	4,857.89	-750.58	10,597.84	1,891,734.598	2,763,318.463	36.198925568	-107.696991109
14,290.00	91.97	90.620	4,854.94	-751.70	10,691.78	1,891,733.475	2,763,412.410	36.198922119	-107.696672698
14,384.00	91.98	89.570	4,851.70	-751.86	10,785.73	1,891,733.319	2,763,506.352	36.198921327	-107.696354296
14,478.00	93.15	90.570	4,847.50	-751.97	10,879.63	1,891,733.205	2,763,600.255	36.198920649	-107.696036030
14,502.00	93.33	90.670	4,846.14	-752.23	10,903.59	1,891,732.945	2,763,624.215	36.198919843	-107.695954822
14,565.00	93.33	90.670	4,842.48	-752.97	10,966.48	1,891,732.210	2,763,687.104	36.198917578	-107.695741673

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
450.00	449.97	-1.09	-4.26	MWD surveys
3,047.00	2,868.16	189.58	702.57	9 5/8" Casing shoe @ 3047.00 MD 2868.16 TVD
5,540.80	4,834.70	414.00	2,142.43	FTP @ 5540.80 MD 4834.70 TVD
5,770.00	4,870.98	337.88	2,354.39	1144 FNL 1946 FWL @ 5770.00 MD 4870.98 TVD
14,455.10	4,848.70	-751.79	10,856.76	LTP @ 14455.10 MD 4848.70 TVD
14,502.00	4,846.14	-752.23	10,903.59	Survey @ 14502.00 MD 4846.15 TVD
14,502.00	4,846.14	-752.23	10,903.59	2248 FNL 100 FEL @ 14502.00 MD 4846.14 TVD
14,565.00	4,842.48	-752.97	10,966.48	Survey proj. to 14565 MD 4842.48 TVD 2249 FNL 37 FEL

WELL NAME: **RODEO UNIT 504H**

OBJECTIVE: **Drill, complete, and equip single lateral in the Mancos-I formation**

API Number: **30-045-38323**

AFE Number: **DV03105**

ER Well Number: **NM08365.01**

State: **New Mexico**

County: **San Juan**

Surface Elev.: **6,883** ft ASL (GL) **6,908** ft ASL (KB)

Surface Location: **25-23N-09W** Sec-Twn- Rng **1,471** ft FNL **408** ft FEL

BH Location: **29-23N-08W** Sec-Twn- Rng **2248** ft FNL **38** ft FEL

Driving Directions: **FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:**
South on US Hwy 550 for 37.8 miles to MM 113.5; Right (Southwest) on CR #7890 for 0.8 miles to fork; Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection; Left (Southeast) remaining on CR #7890 for 0.6 miles to fork; Right (Southwest) remaining on CR #7890 for 0.5 miles to access road; Left (Southeast) on access road for 0.4 miles to the RODEO UNIT 508H PAD (WELLS: 508H, 509H, 510H (DRILLED); 503H, 504H, 506H (PLANNED)). The planned wells are parallel to the existing wells at a distance of 35'. The 504H is second closest to the location entrance and the existing facilities and directly across from the 509H well.

QUICK REFERENCE

Sur TD (MD)	377	ft
Int TD (MD)	2,996	ft
KOP (MD)	5,059	ft
KOP (TVD)	4,530	ft
Target (TVD)	4,884	ft
Curve BUR	10	°/100 ft
POE (MD)	5,781	ft
TD (MD)	14,565	ft
Lat Len (ft)	8,757	ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	377	13.375	54.5	J-55	BTC	0	377
Intermediate	12.250	2,996	9.625	36.0	J-55	LTC	0	2,996
Production	8.500	14,552	5.500	17.0	P-110	LTC	0	14,552

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.38	6.65	0.6946	100%	0	372
Inter. (Lead)	10 Type III:P	12.5	2.14	12.05	0.3627	70%	0	594
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,507	137
Prod. (Lead)	Type I/II	12.4	2.260	12.70	0.2691	65%	0	557
Prod. (Tail)	G:POZ blend	13.3	1.570	7.7	0.2291	10%	4,197	1,668

COMPLETION / PRODUCTION SUMMARY:

Perf, Plug & Frac 37 stages:2 spf. 0.31" diameter from 5553' to 14428' MD Total of 1,036 open holes

Production: Produce through production tubing via gas-lift into permanent production and storage facilities

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)
Ojo Alamo	6355	553	553
Kirtland	6257	651	651
Fruitland	6065	843	843
Pictured Cliffs	5754	1154	1154
Lewis	5602	1306	1307
Chacra	5336	1572	1577
Cliff House	4267	2641	2779
Menefee	4244	2664	2806
Point Lookout	3264	3644	3981
Mancos	3124	3784	4149
Gallup (MNCS_A)	2774	4134	4573

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMNM120377
		6. If Indian, Allottee or Tribe Name NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. NMNM136328A
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. RODEO UNIT/504H
2. Name of Operator ENDURING RESOURCES LLC		9. API Well No. 3004538323
3a. Address 200 ENERGY COURT, FARMINGTON, NM 8740	3b. Phone No. (include area code) (505) 497-8574	10. Field and Pool or Exploratory Area LYBROOK MANCOS W
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 25/T23N/R9W/NMP		11. Country or Parish, State SAN JUAN/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☒ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

1/5/24: NU BOPE. Full function PT L750 H9500 (30min), all tests good & recorded on chart.

1/6/24: Open well, increase pressure, Frac Sleeve opened at 6,479 psi.

1/7/24 to 1/16/24: Perf, Plug & Frac 37 stages:2 spf. 0.31 diameter from 5553 to 14428 MD (4862 to 4855 TVD). Total of 1,036 open holes. As pumped: 145,150 bbls of fluid. 11,518,676 lbs of proppant.

1/26/24: MIRU AWS 812. NU BOP. Full function PT to L400 H4800 (30min) test good & recorded on chart.

1/26/24 to 1/29/24: TIH. Drill out plugs. TOH.

1/30/24: RIH with production string. Land 171 jts of 2.875 6.5# J55 STC tubing. EOT: 5694. Seven GLVs set at 1347 1912 2475 3072 3671 4268 4899. POH. ND BOPE. NU production tree & PT to 10k (30min) test good & recorded on chart. Turn well over to production. Rig released on 1/30/24.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON / Ph: (505) 636-9751	Title Permitting Technician
Signature (Electronic Submission)	Date 02/13/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by MATTHEW H KADE / Ph: (505) 564-7736 / Accepted	Title Petroleum Engineer	Date 02/14/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FARMINGTON	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SENE / 1471 FNL / 408 FEL / TWSP: 23N / RANGE: 9W / SECTION: 25 / LAT: 36.201023 / LONG: -107.732908 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 2268 FNL / 0 FWL / TWSP: 23N / RANGE: 8W / SECTION: 29 / LAT: 36.198916 / LONG: -107.713559 (TVD: 4879 feet, MD: 9003 feet)

PPP: NENW / 1136 FNL / 1946 FWL / TWSP: 23N / RANGE: 8W / SECTION: 30 / LAT: 36.201967 / LONG: -107.724931 (TVD: 4884 feet, MD: 5800 feet)

PPP: SWNE / 2269 FNL / 2643 FWL / TWSP: 23N / RANGE: 8W / SECTION: 29 / LAT: 36.198889 / LONG: -107.704602 (TVD: 4888 feet, MD: 12000 feet)

BHL: SENE / 2269 FNL / 100 FEL / TWSP: 23N / RANGE: 8W / SECTION: 29 / LAT: 36.198862 / LONG: -107.695954 (TVD: 4897 feet, MD: 14537 feet)

CONFIDENTIAL



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

03/12/2024

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

Section 1 - General

Well Completion Report Id: 91115**Submission Date:** 03-01-2024**BLM Office:** Farmington Field Office**User:** HEATHER HUNTINGTON**Title:** Permitting Technician**Federal/Indian:** INDIAN**Lease Number:** NMNM120377**Lease Acres:****Agreement in place?:** YES**Federal or Indian Agreement:** FEDERAL**Agreement Number:****Agreement Name:****Additional Information****Keep this Well Completion Report confidential?:** YES**APD Operator:** ENDURING
RESOURCES LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** LYBROOK MANCOS W**Field Name:** BASIN MANCOS**Well Type:** OIL WELL**Spud Date:** 10-11-2023**Date Total Measured Depth Reached:** 12-25-2023**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
NACIMIENTO	SANDSTONE, SHALE		6896	0	0	USEABLE WATER	
OJO ALAMO	SANDSTONE, SHALE		6355	553	553	USEABLE WATER	
KIRTLAND	COAL, SHALE		6257	651	651	COAL, NATURAL GAS	
FRUITLAND	COAL		6065	843	843	COAL	
PICTURED CLIFFS	SANDSTONE, SHALE		5754	1154	1154	NATURAL GAS	
LEWIS	SHALE		5602	1306	1307	NATURAL GAS	
CHACRA	SANDSTONE, SHALE		5336	1572	1577	NATURAL GAS	
CLIFFHOUSE	SANDSTONE		4267	2641	2779	NATURAL GAS	
MENEFEE	COAL, SANDSTONE, SHALE		4244	2664	2806	NATURAL GAS	
POINT LOOKOUT	SANDSTONE, SHALE		3264	3644	3981	NATURAL GAS	
MANCOS	SHALE		3124	3784	4149	NATURAL GAS, OIL	
GALLUP	SHALE		2774	4134	4573	NATURAL GAS, OIL	

Completion and Completed

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	SI	1	NMNM136328A	NMNM120377	NEW		POW	01-30-2024	02-05-2024	GALLUP	5551	14428	Y	.31	1036	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbbls)	Total Proppant (lbs)	Treatment Remarks
00	SI	1	Y	FRAC	145150	11518676	

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	SI	1			GAS LIFT		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	SI	1	02/09/2024	24	47	831	528	17680	64/64	85		735

Well Location

Survey Type: RECTANGULAR

Survey Number: 15269

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.201023	-107.732908	6883	N/A	N/A	INDIAN	NMNM036949				1471	FNL	408	FEL	23N	9W	25	SENE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.201023	-107.732908	6506	377	377	INDIAN	NMNM036949				1471	FNL	408	FEL	23N	9W	25	SENE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.198972	-107.704601	2037	14503	4846	INDIAN	NOG13121855				2239	FNL	2643	FWL	23N	8W	29	SWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.199038	-107.713559	2037	14503	4846	INDIAN	NOG13121851				2224	FNL	0	FWL	23N	8W	29	SWNW

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.202154	-107.725645	2037	14503	4846	FEDERAL	NMNM120377				1067	FNL	1735	FWL	23N	8W	30	NENW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.198921	-107.696114	2041	14552	4842	INDIAN	NOG13121855				2248	FNL	147	FEL	23N	8W	29	SENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.198918	-107.695742	2041	14656	4842	INDIAN	NOG13121855	4846	14503		2248	FNL	38	FEL	23N	8W	29	SENE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
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Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	377	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	2996	9.625	36	J-55		LT&C		
00	PRODUCTION	8.5	0	14552	5.5	17	P-110		LT&C		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Type III	372	1.38	0					91.4
00	INTERMEDIATE		Type III: POZ Blend	594	2.14	0	Type III	137	1.38	2507	260.1
00	PRODUCTION		Type I/II	557	2.26	0	Class G:POZ Blend	1668	1.57	4197	690.6

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		5694		6	J-55		ST&C	

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
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Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s) NMNM136328A
Allottee/Tribe Name NAVAJO NATION	Well Pad Name RODEO UNIT 508	Well Pad Number 503H 504H 506H	APD ID 10400084207

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	NO	NO	NO	YES	NO	YES

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: ENDURING RESOURCES LLC

Signed By: HEATHER HUNTINGTON

Title: Permitting Technician

Signed on: 03/06/2024

Street Address: 200 Energy Court

City: Farmington

State: NM

Zip: 87401

Phone: (505)636-9751

Email address: HHUNTINGTON@ENDURINGRESOURCES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

From: blm-afmss-notifications@blm.gov
To: [Heather Huntington](#)
Subject: Well Name: RODEO UNIT, Well Number: 504H, Notification of Well Completion Acceptance
Date: Thursday, March 7, 2024 2:26:11 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **ENDURING RESOURCES LLC**
- Well Name: **RODEO UNIT**
- Well Number: **504H**
- US Well Number: **3004538323**
- Well Completion Report Id: **WCR2024030791115**

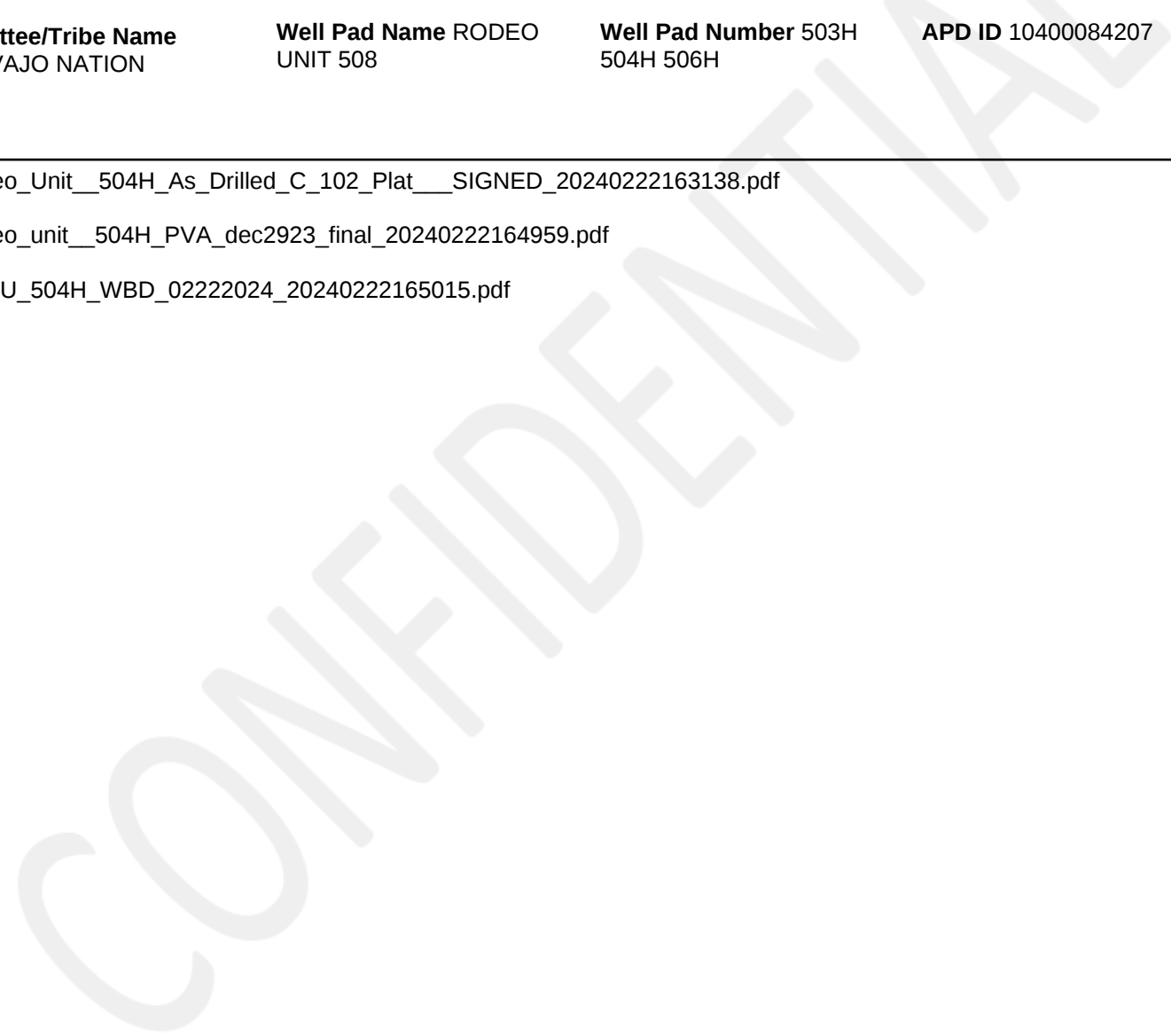
This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 504H	US Well Number 3004538323
	County SAN JUAN	State NM	Lease Number(s) NMNM120377
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Rodeo_Unit__504H_As_Drilled_C_102_Plat___SIGNED_20240222163138.pdf

Rodeo_unit__504H_PVA_dec2923_final_20240222164959.pdf

RODU_504H_WBD_02222024_20240222165015.pdf



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 322667

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 322667
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

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.

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

CONDITIONS

Action 322667

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 322667
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	5/14/2024