

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

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 30-045-38324	⁵ Pool Name BASIN MANCOS		⁶ Pool Code 97232
⁷ Property Code 321253	⁸ Property Name RODEO UNIT		⁹ Well Number 506H

II. ¹⁰ Surface Location

Ul or lot no. H	Section 25	Township 23N	Range 9W	Lot Idn	Feet from the 1481'	North/South Line NORTH	Feet from the 391'	East/West line EAST	County SAN JUAN
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	-----------------------	------------------------	--------------------

¹¹ Bottom Hole Location

UL or lot no. P	Section 32	Township 23N	Range 8W	Lot Idn	Feet from the 854'	North/South line SOUTH	Feet from the 196'	East/West line EAST	County SAN JUAN
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 2/5/2024		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 10/17/2023	²² Ready Date 2/5/2024	²³ TD 17,404' MD 4726' TVD	²⁴ PBDT 17,344' MD 4726' TVD	²⁵ Perforations 5554' - 17271' MD 4861'-4749' TVD AlphaSleeve 17,300	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		376'		322 sx
12.25"		9.625",36#, J-55		2,958'		731 sx
8.5"		5.5",17#, P-110		17,393'		2,679 sx
		2.875", 6.5#, J-55		5,632		

V. Well Test Data

³¹ Date New Oil 2/9/24	³² Gas Delivery Date 2/5/24	³³ Test Date 2/9/24	³⁴ Test Length 24	³⁵ Tbg. Pressure 96	³⁶ Csg. Pressure 744
³⁷ Choke Size 64"/64"	³⁸ Oil 20 bbls	³⁹ Water 744	⁴⁰ Gas 489 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: 		OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ	
Printed name: Heather Huntington		Title: PETROLEUM SPECIALIST	
Title: Permitting Tech		Approval Date: 5/14/2024	
E-mail Address:hhuntington@enduringresources.com			
Date: 3/13/24	Phone:505-636-9751		



ENDURING RESOURCES IV LLC

January 9, 2024

Re: RODEO UNIT 506H-30-045-38324

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 30-045-38324		² Pool Code 97232		³ Pool Name BASIN MANCOS	
⁴ Property Code 321253		⁵ Property Name RODEO UNIT		⁶ Well Number 506H	
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		1481	NORTH	391	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
P	32	23N	8W		854	SOUTH	196	EAST	SAN JUAN

¹² Dedicated Acres 1283.12	Entire Section 30 Entire Section 32	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14313
--	--	-------------------------------	----------------------------------	------------------------------------

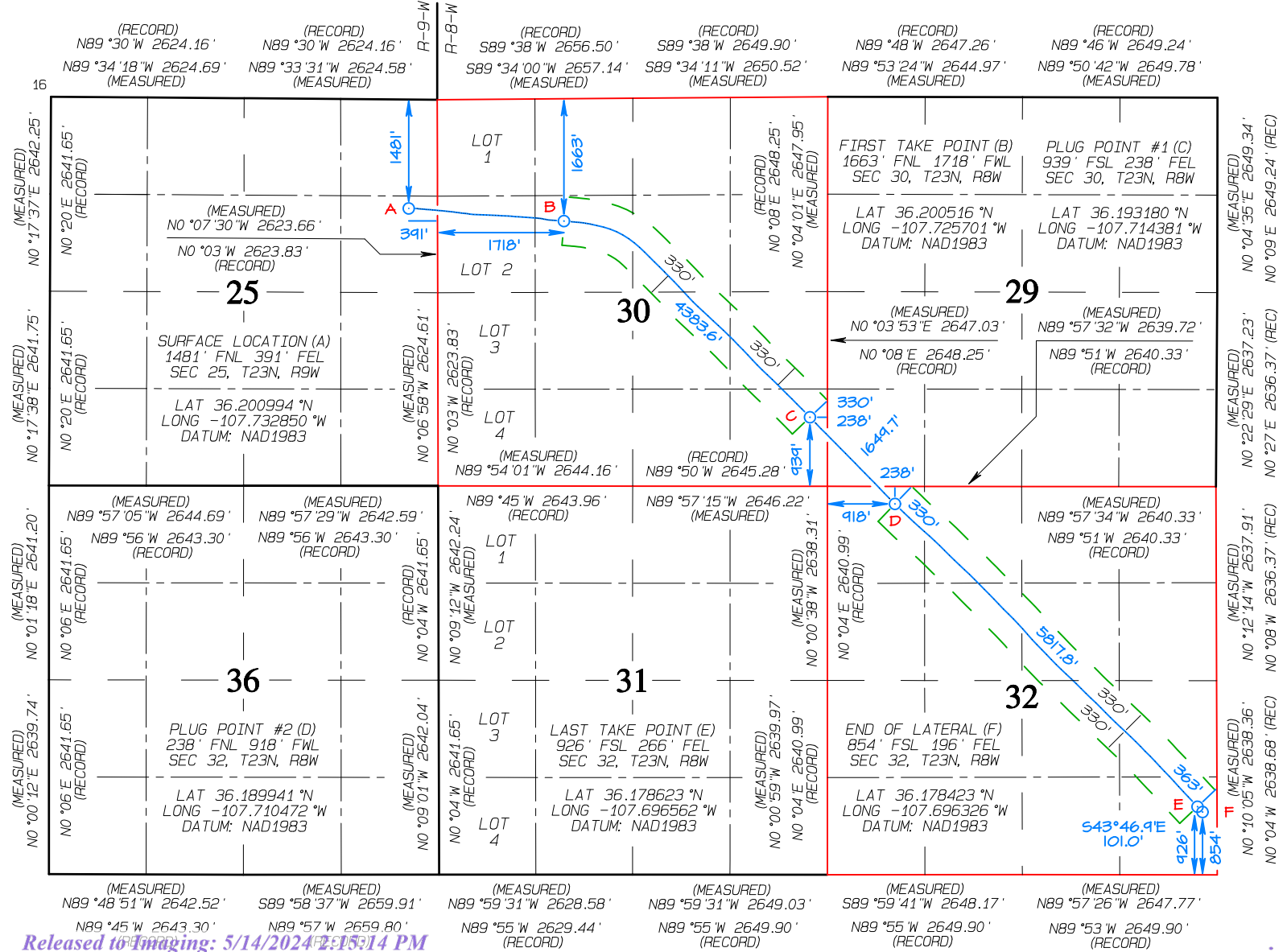
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

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.

1/8/24
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 6, 2024
Survey Date: SEPTEMBER 15, 2021
Signature and Seal of Professional Surveyor

Jason C. Edwards
Certificate Number 15269



AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38324	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 321253	⁵ Property Name RODEO UNIT	⁶ Well Number 506H
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		1481	NORTH	391	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
P	32	23N	8W		854	SOUTH	196	EAST	SAN JUAN

¹² Dedicated Acres 1283.12	Entire Section 30 Entire Section 32	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14313
--	--	-------------------------------	----------------------------------	------------------------------------

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.

Signature

Date

Heather Huntington

1/8/24

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 6, 2024
Survey Date: SEPTEMBER 15, 2021
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

The figure is a detailed survey plat map for sections 25, 30, 29, 36, 31, and 32. It shows the following details:

- Section 25:** Contains points A and B. Point A is at the intersection of the section line and the well location line. Point B is the first take point. Bearings and distances are provided for the well location line.
- Section 30:** Contains points C and D. Point C is the last take point. Point D is the end of lateral. Bearings and distances are provided for the well location line.
- Section 29:** Contains point E. Point E is the end of lateral. Bearings and distances are provided for the well location line.
- Section 36:** Contains point F. Point F is the end of lateral. Bearings and distances are provided for the well location line.
- Section 31:** Contains point G. Point G is the end of lateral. Bearings and distances are provided for the well location line.
- Section 32:** Contains point H. Point H is the end of lateral. Bearings and distances are provided for the well location line.

The map is bordered by section numbers and contains various survey points and measurements. The well location line is shown in blue, and the section lines are shown in red. The map is oriented with North at the top.



Well: Rodeo Unit #506H
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 506 FTP 2362 FNL 2211 FEL r5	4866.00	-860.37	3481.83	1891614.268	2756219.596	36.19862000	-107.72105200
Rodeo 506 LTP 926 FSL 234 FEL r5	4774.00	-8130.72	10749.61	1884343.927	2763487.359	36.17862200	-107.69645400
Rodeo 506 Plug point 1 r5	4841.00	-2836.47	5456.93	1889638.172	2758194.686	36.19318500	-107.71436600
Rodeo 506 Plug point 2 r5	44826.13	-4011.16	6631.30	1888463.487	2759369.058	36.18995400	-107.71039100



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 1892474.635 Easting 2752737.771 Latitude 36.200994000 Longitude -107.732850000

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

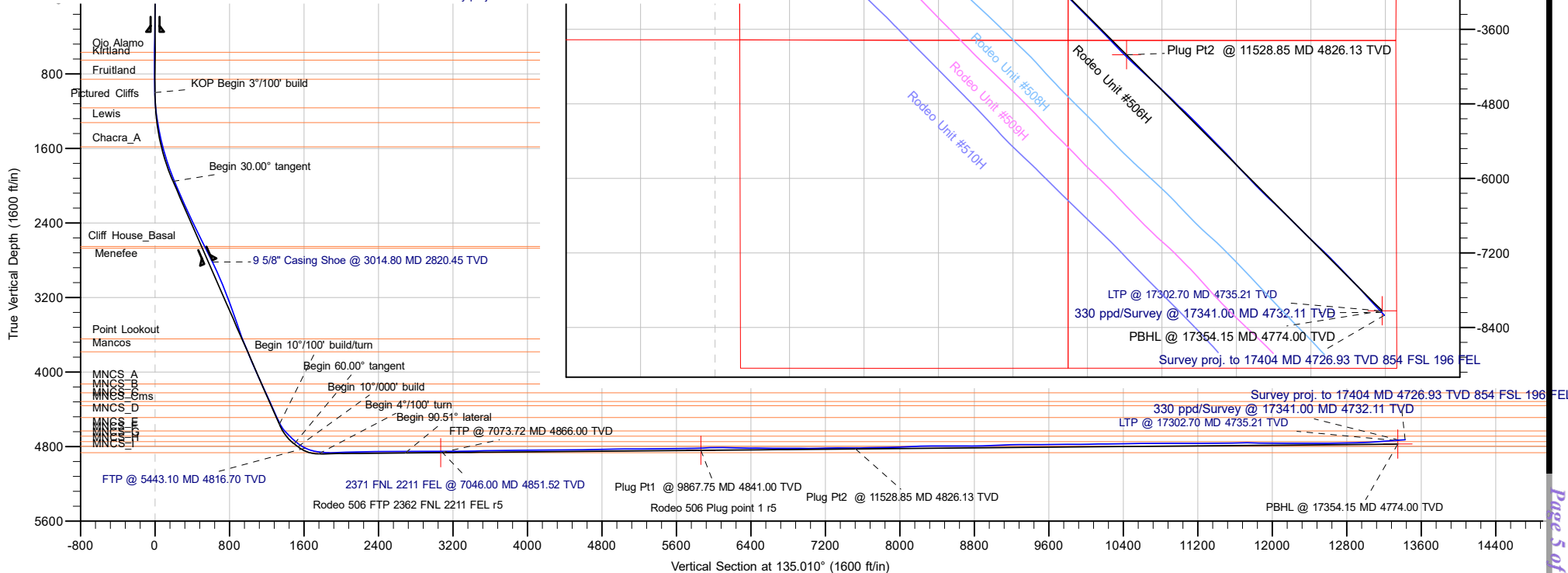


CASING DETAILS

TVD	MD	Name
350.00	350.00	13 3/8" Csg
2821.00	3000.05	9 5/8" Csg

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
421.00	0.89	296.180	420.98	1.42	-2.88	-3.04	MWD surveys
3014.80	32.02	97.510	2820.45	-72.10	799.61	616.30	9 5/8" Casing Shoe @ 3014.80 MD 2820.45 TVD
5443.10	70.02	94.356	4816.70	-171.74	2109.49	1612.83	FTP @ 5443.10 MD 4816.70 TVD
7046.00	89.76	135.359	4851.52	-869.42	3481.58	3076.29	2371 FNL 2211 FEL @ 7046.00 MD 4851.52 TVD
17302.70	94.56	136.348	4735.21	-8130.23	10717.68	13327.16	LTP @ 17302.70 MD 4735.21 TVD
17341.00	94.72	136.190	4732.11	-8157.81	10744.07	13365.33	330 ppd/Survey @ 17341.00 MD 4732.11 TVD
17404.00	94.72	136.190	4726.93	-8203.12	10787.53	13428.10	Survey proj. to 17404 MD 4726.93 TVD 854 FSL 196 FEL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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 #506H, Surf loc: 1481 FNL 391 FEL Section 25-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,474.635 usft	Latitude:	36.200994000
	+E/-W	0.00 ft	Easting:	2,752,737.771 usft	Longitude:	-107.732850000
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	49,043.03127848

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	135.010	

Survey Program	Date	1/3/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,917.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,947.00	17,341.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
17,404.00	17,404.00	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
421.00	0.89	296.180	420.98	1.42	-2.88	-3.04	0.22	0.22	0.00
480.00	0.97	286.370	479.98	1.76	-3.77	-3.91	0.30	0.14	-16.63
538.00	1.03	292.450	537.97	2.10	-4.72	-4.82	0.21	0.10	10.48
599.00	0.44	354.390	598.96	2.54	-5.25	-5.51	1.49	-0.97	101.54
659.00	0.52	42.210	658.96	2.97	-5.09	-5.70	0.66	0.13	79.70



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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)
719.00	0.63	77.680	718.96	3.24	-4.59	-5.53	0.61	0.18	59.12
780.00	0.84	70.200	779.95	3.46	-3.84	-5.16	0.38	0.34	-12.26
840.00	0.66	90.820	839.95	3.61	-3.08	-4.73	0.54	-0.30	34.37
899.00	0.56	91.180	898.94	3.60	-2.45	-4.28	0.17	-0.17	0.61
958.00	1.41	76.930	957.93	3.76	-1.45	-3.68	1.49	1.44	-24.15
1,024.00	3.79	84.270	1,023.86	4.16	1.51	-1.87	3.63	3.61	11.12
1,087.00	5.88	84.600	1,086.63	4.67	6.79	1.50	3.32	3.32	0.52
1,150.00	7.54	87.580	1,149.20	5.15	14.14	6.35	2.69	2.63	4.73
1,213.00	9.29	92.630	1,211.52	5.09	23.35	12.91	3.01	2.78	8.02
1,276.00	10.92	93.680	1,273.54	4.47	34.38	21.14	2.60	2.59	1.67
1,339.00	12.63	93.180	1,335.21	3.71	47.21	30.76	2.72	2.71	-0.79
1,402.00	14.15	94.460	1,396.50	2.73	61.77	41.74	2.46	2.41	2.03
1,465.00	15.73	94.900	1,457.37	1.40	77.96	54.13	2.51	2.51	0.70
1,528.00	17.04	95.480	1,517.81	-0.21	95.65	67.78	2.10	2.08	0.92
1,591.00	18.36	95.550	1,577.82	-2.06	114.72	82.56	2.10	2.10	0.11
1,655.00	20.11	95.350	1,638.25	-4.06	135.71	98.81	2.74	2.73	-0.31
1,718.00	21.76	95.180	1,697.09	-6.12	158.12	116.12	2.62	2.62	-0.27
1,781.00	23.49	95.220	1,755.24	-8.32	182.26	134.73	2.75	2.75	0.06
1,844.00	25.36	94.940	1,812.60	-10.62	208.20	154.71	2.97	2.97	-0.44
1,906.00	27.00	94.550	1,868.24	-12.88	235.46	175.58	2.66	2.65	-0.63
1,970.00	28.11	94.550	1,924.97	-15.23	264.98	198.10	1.73	1.73	0.00
2,032.00	28.37	94.740	1,979.59	-17.61	294.22	220.46	0.44	0.42	0.31
2,096.00	28.99	95.010	2,035.74	-20.22	324.82	243.94	0.99	0.97	0.42
2,159.00	29.37	95.040	2,090.75	-22.91	355.42	267.47	0.60	0.60	0.05
2,222.00	29.91	95.240	2,145.50	-25.70	386.45	291.39	0.87	0.86	0.32
2,285.00	30.25	95.280	2,200.02	-28.59	417.89	315.66	0.54	0.54	0.06
2,348.00	30.79	94.990	2,254.29	-31.46	449.76	340.22	0.89	0.86	-0.46
2,411.00	31.27	95.150	2,308.27	-34.33	482.11	365.12	0.77	0.76	0.25
2,474.00	32.06	95.860	2,361.90	-37.50	515.02	390.64	1.39	1.25	1.13
2,538.00	31.90	96.590	2,416.18	-41.18	548.72	417.06	0.65	-0.25	1.14
2,601.00	31.41	96.810	2,469.81	-45.03	581.56	443.00	0.80	-0.78	0.35
2,664.00	32.04	97.090	2,523.40	-49.04	614.44	469.08	1.03	1.00	0.44
2,727.00	32.26	97.290	2,576.74	-53.24	647.70	495.57	0.39	0.35	0.32
2,790.00	32.42	97.370	2,629.96	-57.54	681.13	522.24	0.26	0.25	0.13
2,854.00	32.05	97.060	2,684.10	-61.83	714.99	549.21	0.63	-0.58	-0.48
2,917.00	31.97	96.770	2,737.52	-65.85	748.15	575.50	0.28	-0.13	-0.46
2,958.00	32.02	96.650	2,772.29	-68.39	769.72	592.54	0.20	0.12	-0.29
3,069.00	32.03	98.330	2,866.40	-76.06	828.07	639.23	0.80	0.01	1.51
3,164.00	29.75	93.490	2,947.93	-81.14	876.54	677.09	3.55	-2.40	-5.09
3,258.00	28.84	92.970	3,029.91	-83.74	922.46	711.39	1.01	-0.97	-0.55
3,352.00	28.39	92.360	3,112.43	-85.83	967.43	744.66	0.57	-0.48	-0.65
3,447.00	28.42	91.300	3,195.99	-87.28	1,012.60	777.61	0.53	0.03	-1.12
3,541.00	26.86	93.380	3,279.27	-89.04	1,056.16	809.66	1.95	-1.66	2.21



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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)
3,636.00	26.27	91.720	3,364.24	-90.93	1,098.60	841.00	1.00	-0.62	-1.75
3,730.00	24.78	91.070	3,449.06	-91.92	1,139.09	870.33	1.61	-1.59	-0.69
3,824.00	24.81	93.290	3,534.40	-93.42	1,178.48	899.24	0.99	0.03	2.36
3,918.00	26.13	92.860	3,619.26	-95.59	1,218.84	929.31	1.42	1.40	-0.46
4,012.00	29.72	94.530	3,702.30	-98.46	1,262.76	962.39	3.91	3.82	1.78
4,107.00	29.11	92.080	3,785.06	-101.16	1,309.33	997.22	1.42	-0.64	-2.58
4,201.00	28.66	93.930	3,867.36	-103.54	1,354.67	1,030.95	1.06	-0.48	1.97
4,295.00	29.58	95.030	3,949.48	-107.12	1,400.27	1,065.72	1.13	0.98	1.17
4,389.00	30.47	94.160	4,030.87	-110.88	1,447.16	1,101.53	1.05	0.95	-0.93
4,484.00	31.07	92.820	4,112.50	-113.83	1,495.66	1,137.92	0.96	0.63	-1.41
4,578.00	31.84	93.610	4,192.68	-116.59	1,544.64	1,174.49	0.93	0.82	0.84
4,672.00	32.28	95.380	4,272.35	-120.50	1,594.37	1,212.42	1.10	0.47	1.88
4,767.00	29.41	93.380	4,353.90	-124.26	1,642.93	1,249.40	3.21	-3.02	-2.11
4,861.00	31.95	93.690	4,434.74	-127.22	1,690.79	1,285.34	2.71	2.70	0.33
4,924.00	31.60	94.010	4,488.30	-129.45	1,723.89	1,310.31	0.62	-0.56	0.51
4,955.00	30.71	93.690	4,514.83	-130.52	1,739.89	1,322.39	2.92	-2.87	-1.03
4,987.00	31.36	94.410	4,542.25	-131.69	1,756.35	1,334.85	2.34	2.03	2.25
5,018.00	35.15	97.320	4,568.17	-133.45	1,773.25	1,348.04	13.26	12.23	9.39
5,050.00	38.94	99.750	4,593.70	-136.32	1,792.31	1,363.54	12.69	11.84	7.59
5,082.00	43.66	100.490	4,617.74	-140.04	1,813.09	1,380.87	14.83	14.75	2.31
5,113.00	46.83	101.230	4,639.56	-144.19	1,834.71	1,399.08	10.37	10.23	2.39
5,145.00	49.44	101.280	4,660.92	-148.84	1,858.08	1,418.90	8.16	8.16	0.16
5,176.00	50.92	98.470	4,680.77	-152.92	1,881.53	1,438.36	8.44	4.77	-9.06
5,207.00	53.26	96.940	4,699.82	-156.19	1,905.77	1,457.81	8.49	7.55	-4.94
5,239.00	55.37	95.210	4,718.48	-158.94	1,931.61	1,478.02	7.92	6.59	-5.41
5,270.00	57.92	93.770	4,735.53	-160.96	1,957.42	1,497.70	9.09	8.23	-4.65
5,302.00	58.70	94.220	4,752.34	-162.86	1,984.58	1,518.24	2.72	2.44	1.41
5,333.00	58.80	94.090	4,768.42	-164.78	2,011.02	1,538.29	0.48	0.32	-0.42
5,365.00	60.82	93.750	4,784.51	-166.67	2,038.61	1,559.13	6.38	6.31	-1.06
5,396.00	64.73	94.150	4,798.69	-168.57	2,066.10	1,579.92	12.66	12.61	1.29
5,428.00	68.59	94.140	4,811.36	-170.69	2,095.40	1,602.13	12.06	12.06	-0.03
5,459.00	71.52	94.580	4,821.94	-172.91	2,124.46	1,624.24	9.55	9.45	1.42
5,491.00	73.90	94.810	4,831.45	-175.41	2,154.90	1,647.54	7.47	7.44	0.72
5,522.00	76.31	94.990	4,839.42	-177.97	2,184.75	1,670.45	7.79	7.77	0.58
5,554.00	79.00	95.210	4,846.26	-180.75	2,215.88	1,694.42	8.43	8.41	0.69
5,585.00	81.68	94.960	4,851.46	-183.45	2,246.32	1,717.86	8.68	8.65	-0.81
5,617.00	83.84	95.290	4,855.49	-186.29	2,277.94	1,742.21	6.83	6.75	1.03
5,648.00	84.77	95.620	4,858.57	-189.22	2,308.65	1,766.00	3.18	3.00	1.06
5,679.00	85.22	95.650	4,861.27	-192.26	2,339.38	1,789.87	1.45	1.45	0.10
5,711.00	85.90	96.740	4,863.75	-195.70	2,371.09	1,814.73	4.01	2.13	3.41
5,742.00	87.05	99.630	4,865.66	-200.10	2,401.72	1,839.49	10.02	3.71	9.32
5,774.00	87.43	101.070	4,867.20	-205.85	2,433.16	1,865.78	4.65	1.19	4.50



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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)	
5,805.00	89.33	101.470	4,868.07	-211.90	2,463.55	1,891.55	6.26	6.13	1.29	
5,837.00	92.56	102.340	4,867.55	-218.50	2,494.85	1,918.35	10.45	10.09	2.72	
5,900.00	93.39	101.920	4,864.28	-231.72	2,556.36	1,971.18	1.48	1.32	-0.67	
5,994.00	92.48	104.770	4,859.46	-253.39	2,647.69	2,051.08	3.18	-0.97	3.03	
6,088.00	90.23	109.250	4,857.24	-280.87	2,737.52	2,134.03	5.33	-2.39	4.77	
6,183.00	90.41	115.300	4,856.71	-316.86	2,825.39	2,221.60	6.37	0.19	6.37	
6,277.00	91.31	120.140	4,855.29	-360.57	2,908.57	2,311.32	5.24	0.96	5.15	
6,372.00	89.20	123.350	4,854.87	-410.54	2,989.34	2,403.76	4.04	-2.22	3.38	
6,466.00	90.82	128.930	4,854.86	-465.96	3,065.22	2,496.60	6.18	1.72	5.94	
6,560.00	90.94	132.890	4,853.41	-527.49	3,136.24	2,590.33	4.21	0.13	4.21	
6,655.00	90.45	135.350	4,852.26	-593.62	3,204.43	2,685.30	2.64	-0.52	2.59	
6,749.00	90.31	134.370	4,851.64	-659.92	3,271.06	2,779.30	1.05	-0.15	-1.04	
6,844.00	90.12	134.950	4,851.28	-726.70	3,338.63	2,874.30	0.64	-0.20	0.61	
6,938.00	89.92	134.640	4,851.25	-792.93	3,405.33	2,968.30	0.39	-0.21	-0.33	
7,032.00	89.81	135.450	4,851.47	-859.45	3,471.75	3,062.29	0.87	-0.12	0.86	
7,127.00	89.50	134.830	4,852.04	-926.78	3,538.76	3,157.29	0.73	-0.33	-0.65	
7,221.00	90.41	136.070	4,852.11	-993.77	3,604.70	3,251.29	1.64	0.97	1.32	
7,315.00	90.91	136.240	4,851.03	-1,061.56	3,669.81	3,345.26	0.56	0.53	0.18	
7,409.00	91.84	137.660	4,848.77	-1,130.23	3,733.96	3,439.18	1.81	0.99	1.51	
7,503.00	91.60	137.830	4,845.95	-1,199.77	3,797.14	3,533.03	0.31	-0.26	0.18	
7,597.00	91.08	135.170	4,843.75	-1,267.93	3,861.82	3,626.96	2.88	-0.55	-2.83	
7,691.00	91.07	132.600	4,841.99	-1,333.08	3,929.55	3,720.92	2.73	-0.01	-2.73	
7,786.00	90.78	132.540	4,840.46	-1,397.34	3,999.50	3,815.82	0.31	-0.31	-0.06	
7,880.00	90.41	133.610	4,839.48	-1,461.53	4,068.16	3,909.76	1.20	-0.39	1.14	
7,975.00	90.13	133.370	4,839.03	-1,526.91	4,137.08	4,004.73	0.39	-0.29	-0.25	
8,069.00	89.79	132.580	4,839.10	-1,590.99	4,205.86	4,098.66	0.91	-0.36	-0.84	
8,163.00	89.83	132.930	4,839.41	-1,654.80	4,274.88	4,192.59	0.37	0.04	0.37	
8,257.00	90.64	134.300	4,839.03	-1,719.64	4,342.93	4,286.56	1.69	0.86	1.46	
8,352.00	91.80	136.100	4,837.00	-1,787.03	4,409.85	4,381.53	2.25	1.22	1.89	
8,446.00	91.50	135.820	4,834.30	-1,854.57	4,475.17	4,475.48	0.44	-0.32	-0.30	
8,540.00	89.00	135.150	4,833.89	-1,921.60	4,541.07	4,569.47	2.75	-2.66	-0.71	
8,635.00	90.59	136.520	4,834.23	-1,989.74	4,607.25	4,664.45	2.21	1.67	1.44	
8,729.00	92.80	138.750	4,831.44	-2,059.15	4,670.56	4,758.30	3.34	2.35	2.37	
8,824.00	90.60	134.120	4,828.63	-2,127.93	4,735.98	4,853.20	5.39	-2.32	-4.87	
8,918.00	90.43	134.490	4,827.78	-2,193.59	4,803.25	4,947.19	0.43	-0.18	0.39	
9,012.00	90.31	134.230	4,827.17	-2,259.31	4,870.45	5,041.18	0.30	-0.13	-0.28	
9,106.00	90.03	132.760	4,826.89	-2,324.00	4,938.64	5,135.14	1.59	-0.30	-1.56	
9,201.00	90.86	135.180	4,826.16	-2,389.95	5,007.00	5,230.12	2.69	0.87	2.55	
9,295.00	90.60	135.000	4,824.96	-2,456.52	5,073.36	5,324.11	0.34	-0.28	-0.19	
9,389.00	90.50	133.780	4,824.06	-2,522.27	5,140.53	5,418.10	1.30	-0.11	-1.30	
9,483.00	90.70	136.060	4,823.07	-2,588.64	5,207.08	5,512.09	2.43	0.21	2.43	
9,578.00	90.75	135.160	4,821.87	-2,656.52	5,273.53	5,607.07	0.95	0.05	-0.95	
9,672.00	90.08	134.010	4,821.19	-2,722.50	5,340.48	5,701.06	1.42	-0.71	-1.22	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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)
9,766.00	91.93	136.960	4,819.54	-2,789.51	5,406.36	5,795.03	3.70	1.97	3.14
9,860.00	92.07	135.810	4,816.26	-2,857.52	5,471.16	5,888.95	1.23	0.15	-1.22
9,955.00	92.45	136.030	4,812.51	-2,925.71	5,537.20	5,983.86	0.46	0.40	0.23
10,049.00	88.82	135.370	4,811.47	-2,992.97	5,602.83	6,077.83	3.92	-3.86	-0.70
10,143.00	88.66	134.640	4,813.54	-3,059.43	5,669.28	6,171.81	0.79	-0.17	-0.78
10,237.00	89.15	135.490	4,815.33	-3,125.96	5,735.66	6,265.79	1.04	0.52	0.90
10,332.00	89.58	135.290	4,816.39	-3,193.59	5,802.37	6,360.78	0.50	0.45	-0.21
10,426.00	89.13	135.860	4,817.45	-3,260.71	5,868.16	6,454.77	0.77	-0.48	0.61
10,521.00	89.41	135.790	4,818.66	-3,328.84	5,934.36	6,549.75	0.30	0.29	-0.07
10,616.00	89.72	135.180	4,819.38	-3,396.58	6,000.96	6,644.75	0.72	0.33	-0.64
10,710.00	89.86	135.690	4,819.72	-3,463.55	6,066.92	6,738.74	0.56	0.15	0.54
10,804.00	89.79	135.400	4,820.01	-3,530.65	6,132.76	6,832.74	0.32	-0.07	-0.31
10,899.00	89.56	135.360	4,820.55	-3,598.27	6,199.48	6,927.73	0.25	-0.24	-0.04
10,993.00	89.33	135.450	4,821.46	-3,665.20	6,265.48	7,021.73	0.26	-0.24	0.10
11,087.00	91.99	135.890	4,820.38	-3,732.43	6,331.15	7,115.71	2.87	2.83	0.47
11,182.00	91.39	135.970	4,817.57	-3,800.66	6,397.20	7,210.65	0.64	-0.63	0.08
11,276.00	90.66	136.420	4,815.89	-3,868.49	6,462.25	7,304.62	0.91	-0.78	0.48
11,371.00	89.92	136.100	4,815.41	-3,937.12	6,527.94	7,399.59	0.85	-0.78	-0.34
11,465.00	89.83	133.800	4,815.62	-4,003.53	6,594.46	7,493.59	2.45	-0.10	-2.45
11,559.00	90.89	134.030	4,815.03	-4,068.72	6,662.17	7,587.57	1.15	1.13	0.24
11,653.00	90.92	134.260	4,813.54	-4,134.18	6,729.61	7,681.54	0.25	0.03	0.24
11,747.00	90.53	133.940	4,812.35	-4,199.59	6,797.11	7,775.52	0.54	-0.41	-0.34
11,841.00	92.05	132.740	4,810.24	-4,264.09	6,865.46	7,869.45	2.06	1.62	-1.28
11,935.00	92.04	131.660	4,806.88	-4,327.19	6,935.05	7,963.28	1.15	-0.01	-1.15
12,029.00	92.10	131.680	4,803.49	-4,389.64	7,005.22	8,057.06	0.07	0.06	0.02
12,123.00	92.37	131.990	4,799.82	-4,452.29	7,075.20	8,150.84	0.44	0.29	0.33
12,218.00	91.29	133.360	4,796.79	-4,516.65	7,145.01	8,245.71	1.84	-1.14	1.44
12,312.00	91.21	133.490	4,794.74	-4,581.25	7,213.26	8,339.65	0.16	-0.09	0.14
12,406.00	89.73	135.570	4,793.96	-4,647.16	7,280.26	8,433.64	2.72	-1.57	2.21
12,501.00	90.16	134.390	4,794.06	-4,714.32	7,347.46	8,528.64	1.32	0.45	-1.24
12,595.00	90.17	133.790	4,793.79	-4,779.72	7,414.98	8,622.63	0.64	0.01	-0.64
12,689.00	89.99	133.930	4,793.65	-4,844.85	7,482.75	8,716.61	0.24	-0.19	0.15
12,784.00	89.85	131.670	4,793.79	-4,909.39	7,552.45	8,811.53	2.38	-0.15	-2.38
12,878.00	91.58	135.060	4,792.61	-4,973.92	7,620.77	8,905.47	4.05	1.84	3.61
12,973.00	92.35	135.330	4,789.36	-5,041.28	7,687.68	9,000.41	0.86	0.81	0.28
13,067.00	92.86	135.010	4,785.08	-5,107.88	7,753.88	9,094.31	0.64	0.54	-0.34
13,162.00	91.47	135.910	4,781.49	-5,175.54	7,820.46	9,189.24	1.74	-1.46	0.95
13,256.00	90.31	133.920	4,780.03	-5,241.90	7,887.02	9,283.22	2.45	-1.23	-2.12
13,350.00	89.86	136.910	4,779.90	-5,308.84	7,953.00	9,377.21	3.22	-0.48	3.18
13,444.00	90.23	136.590	4,779.82	-5,377.30	8,017.40	9,471.16	0.52	0.39	-0.34
13,538.00	90.31	135.440	4,779.38	-5,444.94	8,082.68	9,565.14	1.23	0.09	-1.22
13,633.00	90.61	135.140	4,778.62	-5,512.45	8,149.51	9,660.14	0.45	0.32	-0.32



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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)	
13,727.00	91.27	134.570	4,777.07	-5,578.74	8,216.14	9,754.13	0.93	0.70	-0.61	
13,821.00	89.07	137.360	4,776.79	-5,646.31	8,281.47	9,848.10	3.78	-2.34	2.97	
13,915.00	90.33	138.220	4,777.29	-5,715.93	8,344.62	9,941.98	1.62	1.34	0.91	
14,010.00	91.38	138.970	4,775.87	-5,787.17	8,407.44	10,036.79	1.36	1.11	0.79	
14,105.00	90.47	137.010	4,774.34	-5,857.75	8,471.01	10,131.64	2.27	-0.96	-2.06	
14,199.00	90.74	136.150	4,773.34	-5,926.02	8,535.61	10,225.60	0.96	0.29	-0.91	
14,294.00	91.30	136.640	4,771.65	-5,994.80	8,601.12	10,320.55	0.78	0.59	0.52	
14,388.00	90.41	135.320	4,770.25	-6,062.38	8,666.44	10,414.53	1.69	-0.95	-1.40	
14,482.00	91.84	136.710	4,768.40	-6,130.00	8,731.70	10,508.49	2.12	1.52	1.48	
14,576.00	89.55	134.930	4,767.26	-6,197.40	8,797.20	10,602.46	3.09	-2.44	-1.89	
14,670.00	89.79	133.650	4,767.80	-6,263.04	8,864.48	10,696.45	1.39	0.26	-1.36	
14,764.00	90.54	133.230	4,767.53	-6,327.67	8,932.73	10,790.42	0.91	0.80	-0.45	
14,859.00	91.66	132.940	4,765.71	-6,392.55	9,002.10	10,885.34	1.22	1.18	-0.31	
14,952.00	88.93	135.020	4,765.23	-6,457.12	9,069.01	10,978.31	3.69	-2.94	2.24	
15,046.00	90.09	135.690	4,766.04	-6,524.00	9,135.06	11,072.31	1.43	1.23	0.71	
15,140.00	89.54	134.340	4,766.34	-6,590.48	9,201.51	11,166.30	1.55	-0.59	-1.44	
15,234.00	89.75	133.440	4,766.92	-6,655.65	9,269.25	11,260.28	0.98	0.22	-0.96	
15,328.00	90.53	133.020	4,766.69	-6,720.03	9,337.74	11,354.23	0.94	0.83	-0.45	
15,422.00	91.04	135.800	4,765.40	-6,785.80	9,404.88	11,448.21	3.01	0.54	2.96	
15,516.00	91.48	135.820	4,763.34	-6,853.18	9,470.38	11,542.18	0.47	0.47	0.02	
15,610.00	92.10	134.060	4,760.40	-6,919.54	9,536.89	11,636.13	1.98	0.66	-1.87	
15,704.00	88.70	134.190	4,759.74	-6,984.98	9,604.35	11,730.10	3.62	-3.62	0.14	
15,798.00	88.05	132.470	4,762.41	-7,049.45	9,672.70	11,824.02	1.96	-0.69	-1.83	
15,892.00	89.51	134.060	4,764.41	-7,113.86	9,741.13	11,917.95	2.30	1.55	1.69	
15,986.00	90.41	133.270	4,764.48	-7,178.76	9,809.12	12,011.92	1.27	0.96	-0.84	
16,080.00	89.15	134.600	4,764.84	-7,243.98	9,876.81	12,105.90	1.95	-1.34	1.41	
16,175.00	89.35	135.800	4,766.08	-7,311.38	9,943.75	12,200.89	1.28	0.21	1.26	
16,269.00	89.88	135.370	4,766.71	-7,378.52	10,009.53	12,294.88	0.73	0.56	-0.46	
16,364.00	90.46	134.820	4,766.43	-7,445.81	10,076.59	12,389.88	0.84	0.61	-0.58	
16,458.00	89.79	137.950	4,766.23	-7,513.85	10,141.43	12,483.84	3.41	-0.71	3.33	
16,553.00	90.29	136.920	4,766.16	-7,583.82	10,205.69	12,578.76	1.21	0.53	-1.08	
16,646.00	90.72	135.970	4,765.34	-7,651.21	10,269.76	12,671.72	1.12	0.46	-1.02	
16,740.00	91.25	135.300	4,763.72	-7,718.40	10,335.48	12,765.70	0.91	0.56	-0.71	
16,834.00	91.91	138.570	4,761.13	-7,787.04	10,399.63	12,859.60	3.55	0.70	3.48	
16,928.00	92.02	137.570	4,757.91	-7,856.93	10,462.41	12,953.41	1.07	0.12	-1.06	
17,023.00	92.89	137.350	4,753.84	-7,926.86	10,526.58	13,048.23	0.94	0.92	-0.23	
17,117.00	93.51	136.570	4,748.59	-7,995.46	10,590.63	13,142.03	1.06	0.66	-0.83	
17,211.00	94.24	136.920	4,742.24	-8,063.76	10,654.90	13,235.77	0.86	0.78	0.37	
17,304.00	94.56	136.340	4,735.10	-8,131.17	10,718.57	13,328.46	0.71	0.34	-0.62	
17,341.00	94.72	136.190	4,732.11	-8,157.81	10,744.07	13,365.33	0.59	0.43	-0.41	
17,404.00	94.72	136.190	4,726.93	-8,203.12	10,787.53	13,428.10	0.00	0.00	0.00	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
421.00	420.98	1.42	-2.88	MWD surveys
3,014.80	2,820.45	-72.10	799.61	9 5/8" Casing Shoe @ 3014.80 MD 2820.45 TVD
5,443.10	4,816.70	-171.74	2,109.49	FTP @ 5443.10 MD 4816.70 TVD
7,046.00	4,851.52	-869.42	3,481.58	2371 FNL 2211 FEL @ 7046.00 MD 4851.52 TVD
17,302.70	4,735.21	-8,130.23	10,717.68	LTP @ 17302.70 MD 4735.21 TVD
17,341.00	4,732.11	-8,157.81	10,744.07	330 ppd/Survey @ 17341.00 MD 4732.11 TVD
17,404.00	4,726.93	-8,203.12	10,787.53	Survey proj. to 17404 MD 4726.93 TVD 854 FSL 196 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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 #506H, Surf loc: 1481 FNL 391 FEL Section 25-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,474.635 usft	Latitude:	36.200994000
	+E/-W	0.00 ft	Easting:	2,752,737.771 usft	Longitude:	-107.732850000
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	49,043.03127848

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	135.010	

Survey Program	Date	1/3/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,917.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,947.00	17,341.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
17,404.00	17,404.00	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	1,892,474.635	2,752,737.771	36.200994000	-107.732850000	
8.00	0.00	0.000	8.00	0.00	0.00	1,892,474.635	2,752,737.771	36.200994000	-107.732850000	
421.00	0.89	296.180	420.98	1.42	-2.88	1,892,476.050	2,752,734.892	36.200997896	-107.732859751	
480.00	0.97	286.370	479.98	1.76	-3.77	1,892,476.393	2,752,734.002	36.200998840	-107.732862768	
538.00	1.03	292.450	537.97	2.10	-4.72	1,892,476.730	2,752,733.049	36.200999770	-107.732865996	
599.00	0.44	354.390	598.96	2.54	-5.25	1,892,477.173	2,752,732.520	36.201000987	-107.732867790	
659.00	0.52	42.210	658.96	2.97	-5.09	1,892,477.604	2,752,732.680	36.201002170	-107.732867245	
719.00	0.63	77.680	718.96	3.24	-4.59	1,892,477.876	2,752,733.185	36.201002916	-107.732865532	
780.00	0.84	70.200	779.95	3.46	-3.84	1,892,478.099	2,752,733.933	36.201003527	-107.732862994	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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	0.66	90.820	839.95	3.61	-3.08	1,892,478.243	2,752,734.693	36.201003920	-107.732860420
899.00	0.56	91.180	898.94	3.60	-2.45	1,892,478.232	2,752,735.321	36.201003889	-107.732858291
958.00	1.41	76.930	957.93	3.76	-1.45	1,892,478.390	2,752,736.316	36.201004321	-107.732854917
1,024.00	3.79	84.270	1,023.86	4.16	1.51	1,892,478.792	2,752,739.278	36.201005415	-107.732844877
1,087.00	5.88	84.600	1,086.63	4.67	6.79	1,892,479.303	2,752,744.563	36.201006805	-107.732826962
1,150.00	7.54	87.580	1,149.20	5.15	14.14	1,892,479.782	2,752,751.906	36.201008098	-107.732802072
1,213.00	9.29	92.630	1,211.52	5.09	23.35	1,892,479.723	2,752,761.116	36.201007911	-107.732770855
1,276.00	10.92	93.680	1,273.54	4.47	34.38	1,892,479.106	2,752,772.152	36.201006186	-107.732733453
1,339.00	12.63	93.180	1,335.21	3.71	47.21	1,892,478.341	2,752,784.985	36.201004047	-107.732689960
1,402.00	14.15	94.460	1,396.50	2.73	61.77	1,892,477.360	2,752,799.540	36.201001311	-107.732640630
1,465.00	15.73	94.900	1,457.37	1.40	77.96	1,892,476.032	2,752,815.726	36.200997616	-107.732585770
1,528.00	17.04	95.480	1,517.81	-0.21	95.65	1,892,474.421	2,752,833.424	36.200993140	-107.732525791
1,591.00	18.36	95.550	1,577.82	-2.06	114.72	1,892,472.580	2,752,852.489	36.200988027	-107.732461178
1,655.00	20.11	95.350	1,638.25	-4.06	135.71	1,892,470.579	2,752,873.478	36.200982471	-107.732390047
1,718.00	21.76	95.180	1,697.09	-6.12	158.12	1,892,468.515	2,752,895.892	36.200976736	-107.732314081
1,781.00	23.49	95.220	1,755.24	-8.32	182.26	1,892,466.318	2,752,920.028	36.200970632	-107.732232284
1,844.00	25.36	94.940	1,812.60	-10.62	208.20	1,892,464.014	2,752,945.975	36.200964228	-107.732144346
1,906.00	27.00	94.550	1,868.24	-12.88	235.46	1,892,461.754	2,752,973.234	36.200957941	-107.732051961
1,970.00	28.11	94.550	1,924.97	-15.23	264.98	1,892,459.405	2,753,002.747	36.200951405	-107.731951939
2,032.00	28.37	94.740	1,979.59	-17.61	294.22	1,892,457.029	2,753,031.986	36.200944794	-107.731852841
2,096.00	28.99	95.010	2,035.74	-20.22	324.82	1,892,454.418	2,753,062.590	36.200937533	-107.731749123
2,159.00	29.37	95.040	2,090.75	-22.91	355.42	1,892,451.728	2,753,093.187	36.200930054	-107.731645424
2,222.00	29.91	95.240	2,145.50	-25.70	386.45	1,892,448.936	2,753,124.219	36.200922296	-107.731540257
2,285.00	30.25	95.280	2,200.02	-28.59	417.89	1,892,446.041	2,753,155.662	36.200914253	-107.731433693
2,348.00	30.79	94.990	2,254.29	-31.46	449.76	1,892,443.178	2,753,187.527	36.200906296	-107.731325699
2,411.00	31.27	95.150	2,308.27	-34.33	482.11	1,892,440.308	2,753,219.875	36.200898318	-107.731216067
2,474.00	32.06	95.860	2,361.90	-37.50	515.02	1,892,437.133	2,753,252.794	36.200889501	-107.731104504
2,538.00	31.90	96.590	2,416.18	-41.18	548.72	1,892,433.458	2,753,286.489	36.200879308	-107.730990309
2,601.00	31.41	96.810	2,469.81	-45.03	581.56	1,892,429.601	2,753,319.326	36.200868617	-107.730879026
2,664.00	32.04	97.090	2,523.40	-49.04	614.44	1,892,425.592	2,753,352.210	36.200857508	-107.730767582
2,727.00	32.26	97.290	2,576.74	-53.24	647.70	1,892,421.396	2,753,385.471	36.200845884	-107.730654862
2,790.00	32.42	97.370	2,629.96	-57.54	681.13	1,892,417.096	2,753,418.897	36.200833975	-107.730541583
2,854.00	32.05	97.060	2,684.10	-61.83	714.99	1,892,412.808	2,753,452.763	36.200822097	-107.730426810
2,917.00	31.97	96.770	2,737.52	-65.85	748.15	1,892,408.788	2,753,485.914	36.200810956	-107.730314462
2,958.00	32.02	96.650	2,772.29	-68.39	769.72	1,892,406.249	2,753,507.489	36.200803920	-107.730241345
3,069.00	32.03	98.330	2,866.40	-76.06	828.07	1,892,398.577	2,753,565.844	36.200782673	-107.730043585
3,164.00	29.75	93.490	2,947.93	-81.14	876.54	1,892,393.491	2,753,614.311	36.200768559	-107.729879328
3,258.00	28.84	92.970	3,029.91	-83.74	922.46	1,892,390.897	2,753,660.231	36.200761297	-107.729723694
3,352.00	28.39	92.360	3,112.43	-85.83	967.43	1,892,388.802	2,753,705.201	36.200755410	-107.729571283
3,447.00	28.42	91.300	3,195.99	-87.28	1,012.60	1,892,387.359	2,753,750.367	36.200751314	-107.729418199
3,541.00	26.86	93.380	3,279.27	-89.04	1,056.16	1,892,385.599	2,753,793.932	36.200746352	-107.729270546
3,636.00	26.27	91.720	3,364.24	-90.93	1,098.60	1,892,383.703	2,753,836.371	36.200741017	-107.729126710
3,730.00	24.78	91.070	3,449.06	-91.92	1,139.09	1,892,382.711	2,753,876.862	36.200738172	-107.728989473
3,824.00	24.81	93.290	3,534.40	-93.42	1,178.48	1,892,381.211	2,753,916.248	36.200733935	-107.728855983
3,918.00	26.13	92.860	3,619.26	-95.59	1,218.84	1,892,379.046	2,753,956.612	36.200727869	-107.728719180
4,012.00	29.72	94.530	3,702.30	-98.46	1,262.76	1,892,376.172	2,754,000.529	36.200719843	-107.728570340
4,107.00	29.11	92.080	3,785.06	-101.16	1,309.33	1,892,373.473	2,754,047.099	36.200712291	-107.728412504
4,201.00	28.66	93.930	3,867.36	-103.54	1,354.67	1,892,371.098	2,754,092.439	36.200705633	-107.728258838
4,295.00	29.58	95.030	3,949.48	-107.12	1,400.27	1,892,367.519	2,754,138.040	36.200695664	-107.728104289
4,389.00	30.47	94.160	4,030.87	-110.88	1,447.16	1,892,363.756	2,754,184.923	36.200685187	-107.727945397
4,484.00	31.07	92.820	4,112.50	-113.83	1,495.66	1,892,360.803	2,754,233.432	36.200676928	-107.727780993
4,578.00	31.84	93.610	4,192.68	-116.59	1,544.64	1,892,358.048	2,754,282.405	36.200669215	-107.727615013
4,672.00	32.28	95.380	4,272.35	-120.50	1,594.37	1,892,354.133	2,754,332.142	36.200658312	-107.727446449
4,767.00	29.41	93.380	4,353.90	-124.26	1,642.93	1,892,350.379	2,754,380.694	36.200647852	-107.727281900



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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
4,861.00	31.95	93.690	4,434.74	-127.22	1,690.79	1,892,347.417	2,754,428.561	36.200639571	-107.727119670
4,924.00	31.60	94.010	4,488.30	-129.45	1,723.89	1,892,345.190	2,754,461.660	36.200633354	-107.727007490
4,955.00	30.71	93.690	4,514.83	-130.52	1,739.89	1,892,344.112	2,754,477.662	36.200630346	-107.726953258
4,987.00	31.36	94.410	4,542.25	-131.69	1,756.35	1,892,342.946	2,754,494.118	36.200627093	-107.726897485
5,018.00	35.15	97.320	4,568.17	-133.45	1,773.25	1,892,341.188	2,754,511.019	36.200622212	-107.726840209
5,050.00	38.94	99.750	4,593.70	-136.32	1,792.31	1,892,338.310	2,754,530.074	36.200614249	-107.726775634
5,082.00	43.66	100.490	4,617.74	-140.04	1,813.09	1,892,334.594	2,754,550.858	36.200603978	-107.726705202
5,113.00	46.83	101.230	4,639.56	-144.19	1,834.71	1,892,330.443	2,754,572.474	36.200592510	-107.726631952
5,145.00	49.44	101.280	4,660.92	-148.84	1,858.08	1,892,325.792	2,754,595.845	36.200579662	-107.726552757
5,176.00	50.92	98.470	4,680.77	-152.92	1,881.53	1,892,321.716	2,754,619.298	36.200568393	-107.726473280
5,207.00	53.26	96.940	4,699.82	-156.19	1,905.77	1,892,318.442	2,754,643.533	36.200559327	-107.726391150
5,239.00	55.37	95.210	4,718.48	-158.94	1,931.61	1,892,315.697	2,754,669.376	36.200551707	-107.726303568
5,270.00	57.92	93.770	4,735.53	-160.96	1,957.42	1,892,313.675	2,754,695.187	36.200546074	-107.726216090
5,302.00	58.70	94.220	4,752.34	-162.86	1,984.58	1,892,311.778	2,754,722.350	36.200540779	-107.726124033
5,333.00	58.80	94.090	4,768.42	-164.78	2,011.02	1,892,309.857	2,754,748.782	36.200535424	-107.726034450
5,365.00	60.82	93.750	4,784.51	-166.67	2,038.61	1,892,307.967	2,754,776.376	36.200530148	-107.725940932
5,396.00	64.73	94.150	4,798.69	-168.57	2,066.10	1,892,306.067	2,754,803.870	36.200524844	-107.725847749
5,428.00	68.59	94.140	4,811.36	-170.69	2,095.40	1,892,303.944	2,754,833.169	36.200518922	-107.725748450
5,459.00	71.52	94.580	4,821.94	-172.91	2,124.46	1,892,301.728	2,754,862.222	36.200512746	-107.725649987
5,491.00	73.90	94.810	4,831.45	-175.41	2,154.90	1,892,299.227	2,754,892.671	36.200505782	-107.725546792
5,522.00	76.31	94.990	4,839.42	-177.97	2,184.75	1,892,296.668	2,754,922.518	36.200498661	-107.725445639
5,554.00	79.00	95.210	4,846.26	-180.75	2,215.88	1,892,293.889	2,754,953.651	36.200490932	-107.725340126
5,585.00	81.68	94.960	4,851.46	-183.45	2,246.32	1,892,291.181	2,754,984.089	36.200483399	-107.725236972
5,617.00	83.84	95.290	4,855.49	-186.29	2,277.94	1,892,288.345	2,755,015.704	36.200475512	-107.725129824
5,648.00	84.77	95.620	4,858.57	-189.22	2,308.65	1,892,285.412	2,755,046.411	36.200467362	-107.725025757
5,679.00	85.22	95.650	4,861.27	-192.26	2,339.38	1,892,282.380	2,755,077.144	36.200458938	-107.724921604
5,711.00	85.90	96.740	4,863.75	-195.70	2,371.09	1,892,278.937	2,755,108.861	36.200449383	-107.724814116
5,742.00	87.05	99.630	4,865.66	-200.10	2,401.72	1,892,274.532	2,755,139.483	36.200437188	-107.724710342
5,774.00	87.43	101.070	4,867.20	-205.85	2,433.16	1,892,268.790	2,755,170.925	36.200421316	-107.724603795
5,805.00	89.33	101.470	4,868.07	-211.90	2,463.55	1,892,262.734	2,755,201.313	36.200404587	-107.724500819
5,837.00	92.56	102.340	4,867.55	-218.50	2,494.85	1,892,256.135	2,755,232.616	36.200386361	-107.724394746
5,900.00	93.39	101.920	4,864.28	-231.72	2,556.36	1,892,242.915	2,755,294.126	36.200349854	-107.724186316
5,994.00	92.48	104.770	4,859.46	-253.39	2,647.69	1,892,221.248	2,755,385.457	36.200290051	-107.723876842
6,088.00	90.23	109.250	4,857.24	-280.87	2,737.52	1,892,193.764	2,755,475.290	36.200214272	-107.723572467
6,183.00	90.41	115.300	4,856.71	-316.86	2,825.39	1,892,157.772	2,755,563.158	36.200115123	-107.723274785
6,277.00	91.31	120.140	4,855.29	-360.57	2,908.57	1,892,114.066	2,755,646.335	36.199994801	-107.722993036
6,372.00	89.20	123.350	4,854.87	-410.54	2,989.34	1,892,064.093	2,755,727.107	36.199857266	-107.722719463
6,466.00	90.82	128.930	4,854.86	-465.96	3,065.22	1,892,008.679	2,755,802.987	36.199704802	-107.722462493
6,560.00	90.94	132.890	4,853.41	-527.49	3,136.24	1,891,947.141	2,755,874.003	36.199535527	-107.722222030
6,655.00	90.45	135.350	4,852.26	-593.62	3,204.43	1,891,881.016	2,755,942.192	36.199353659	-107.721991173
6,749.00	90.31	134.370	4,851.64	-659.92	3,271.06	1,891,814.713	2,756,008.819	36.199171308	-107.721765606
6,844.00	90.12	134.950	4,851.28	-726.70	3,338.63	1,891,747.938	2,756,076.391	36.198987658	-107.721536843
6,938.00	89.92	134.640	4,851.25	-792.93	3,405.33	1,891,681.709	2,756,143.096	36.198805508	-107.721311016
7,032.00	89.81	135.450	4,851.47	-859.45	3,471.75	1,891,615.189	2,756,209.511	36.198622562	-107.721086175
7,127.00	89.50	134.830	4,852.04	-926.78	3,538.76	1,891,547.852	2,756,276.520	36.198437366	-107.720859325
7,221.00	90.41	136.070	4,852.11	-993.77	3,604.70	1,891,480.866	2,756,342.462	36.198253139	-107.720636091
7,315.00	90.91	136.240	4,851.03	-1,061.56	3,669.81	1,891,413.077	2,756,407.572	36.198066707	-107.720415681
7,409.00	91.84	137.660	4,848.77	-1,130.23	3,733.96	1,891,344.408	2,756,471.719	36.197877862	-107.720198539
7,503.00	91.60	137.830	4,845.95	-1,199.77	3,797.14	1,891,274.865	2,756,534.899	36.197686617	-107.719984680
7,597.00	91.08	135.170	4,843.75	-1,267.93	3,861.82	1,891,206.705	2,756,599.581	36.197499167	-107.719765726
7,691.00	91.07	132.600	4,841.99	-1,333.08	3,929.55	1,891,141.560	2,756,667.312	36.197319989	-107.719536426
7,786.00	90.78	132.540	4,840.46	-1,397.34	3,999.50	1,891,077.302	2,756,737.265	36.197143240	-107.719299591
7,880.00	90.41	133.610	4,839.48	-1,461.53	4,068.16	1,891,013.109	2,756,805.924	36.196966674	-107.719067146
7,975.00	90.13	133.370	4,839.03	-1,526.91	4,137.08	1,890,947.728	2,756,874.845	36.196786843	-107.718833819



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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
8,069.00	89.79	132.580	4,839.10	-1,590.99	4,205.86	1,890,883.651	2,756,943.619	36.196610594	-107.718600982
8,163.00	89.83	132.930	4,839.41	-1,654.80	4,274.88	1,890,819.838	2,757,012.639	36.196435069	-107.718367314
8,257.00	90.64	134.300	4,839.03	-1,719.64	4,342.93	1,890,754.999	2,757,080.691	36.196256728	-107.718136930
8,352.00	91.80	136.100	4,837.00	-1,787.03	4,409.85	1,890,687.609	2,757,147.613	36.196071383	-107.717910391
8,446.00	91.50	135.820	4,834.30	-1,854.57	4,475.17	1,890,620.065	2,757,212.930	36.195885619	-107.717689288
8,540.00	89.00	135.150	4,833.89	-1,921.60	4,541.07	1,890,553.043	2,757,278.827	36.195701288	-107.717466222
8,635.00	90.59	136.520	4,834.23	-1,989.74	4,607.25	1,890,484.901	2,757,345.012	36.195513876	-107.717242186
8,729.00	92.80	138.750	4,831.44	-2,059.15	4,670.56	1,890,415.487	2,757,408.319	36.195322982	-107.717027908
8,824.00	90.60	134.120	4,828.63	-2,127.93	4,735.98	1,890,346.706	2,757,473.741	36.195133817	-107.716806460
8,918.00	90.43	134.490	4,827.78	-2,193.59	4,803.25	1,890,281.052	2,757,541.008	36.194953236	-107.716578750
9,012.00	90.31	134.230	4,827.17	-2,259.31	4,870.45	1,890,215.332	2,757,608.213	36.194772475	-107.716351251
9,106.00	90.03	132.760	4,826.89	-2,324.00	4,938.64	1,890,150.635	2,757,676.401	36.194594520	-107.716120415
9,201.00	90.86	135.180	4,826.16	-2,389.95	5,007.00	1,890,084.686	2,757,744.765	36.194413124	-107.715888990
9,295.00	90.60	135.000	4,824.96	-2,456.52	5,073.36	1,890,018.119	2,757,811.123	36.194230037	-107.715664367
9,389.00	90.50	133.780	4,824.06	-2,522.27	5,140.53	1,889,952.367	2,757,878.290	36.194049185	-107.715436999
9,483.00	90.70	136.060	4,823.07	-2,588.64	5,207.08	1,889,886.000	2,757,944.843	36.193866646	-107.715211718
9,578.00	90.75	135.160	4,821.87	-2,656.52	5,273.53	1,889,818.120	2,758,011.293	36.193679950	-107.714986792
9,672.00	90.08	134.010	4,821.19	-2,722.50	5,340.48	1,889,752.138	2,758,078.237	36.193498468	-107.714760183
9,766.00	91.93	136.960	4,819.54	-2,789.51	5,406.36	1,889,685.131	2,758,144.120	36.193314171	-107.714537177
9,860.00	92.07	135.810	4,816.26	-2,857.52	5,471.16	1,889,617.119	2,758,208.922	36.193127116	-107.714317843
9,955.00	92.45	136.030	4,812.51	-2,925.71	5,537.20	1,889,548.927	2,758,274.958	36.192939564	-107.714094324
10,049.00	88.82	135.370	4,811.47	-2,992.97	5,602.83	1,889,481.668	2,758,340.594	36.192754575	-107.713872161
10,143.00	88.66	134.640	4,813.54	-3,059.43	5,669.28	1,889,415.211	2,758,407.039	36.192571785	-107.713647250
10,237.00	89.15	135.490	4,815.33	-3,125.96	5,735.66	1,889,348.680	2,758,473.419	36.192388795	-107.713422565
10,332.00	89.58	135.290	4,816.39	-3,193.59	5,802.37	1,889,281.054	2,758,540.131	36.192202792	-107.713196759
10,426.00	89.13	135.860	4,817.45	-3,260.71	5,868.16	1,889,213.927	2,758,605.923	36.192018163	-107.712974066
10,521.00	89.41	135.790	4,818.66	-3,328.84	5,934.36	1,889,145.797	2,758,672.119	36.191830778	-107.712750015
10,616.00	89.72	135.180	4,819.38	-3,396.58	6,000.96	1,889,078.059	2,758,738.721	36.191644465	-107.712524586
10,710.00	89.86	135.690	4,819.72	-3,463.55	6,066.92	1,889,011.089	2,758,804.681	36.191460266	-107.712301327
10,804.00	89.79	135.400	4,820.01	-3,530.65	6,132.76	1,888,943.992	2,758,870.513	36.191275719	-107.712078505
10,899.00	89.56	135.360	4,820.55	-3,598.27	6,199.48	1,888,876.374	2,758,937.240	36.191089737	-107.711852654
10,993.00	89.33	135.450	4,821.46	-3,665.20	6,265.48	1,888,809.441	2,759,003.234	36.190905638	-107.711629288
11,087.00	91.99	135.890	4,820.38	-3,732.43	6,331.15	1,888,742.211	2,759,068.909	36.190720724	-107.711407000
11,182.00	91.39	135.970	4,817.57	-3,800.66	6,397.20	1,888,673.985	2,759,134.956	36.190533071	-107.711183460
11,276.00	90.66	136.420	4,815.89	-3,868.49	6,462.25	1,888,606.157	2,759,200.012	36.190346515	-107.710963276
11,371.00	89.92	136.100	4,815.41	-3,937.12	6,527.94	1,888,537.522	2,759,265.693	36.190157741	-107.710740982
11,465.00	89.83	133.800	4,815.62	-4,003.53	6,594.46	1,888,471.117	2,759,332.214	36.189975088	-107.710515829
11,559.00	90.89	134.030	4,815.03	-4,068.72	6,662.17	1,888,405.922	2,759,399.926	36.189795755	-107.710286636
11,653.00	90.92	134.260	4,813.54	-4,134.18	6,729.61	1,888,340.461	2,759,467.370	36.189615694	-107.710058355
11,747.00	90.53	133.940	4,812.35	-4,199.59	6,797.11	1,888,275.051	2,759,534.868	36.189435769	-107.709829891
11,841.00	92.05	132.740	4,810.24	-4,264.09	6,865.46	1,888,210.556	2,759,603.213	36.189258355	-107.709598555
11,935.00	92.04	131.660	4,806.88	-4,327.19	6,935.05	1,888,147.455	2,759,672.803	36.189084768	-107.709362993
12,029.00	92.10	131.680	4,803.49	-4,389.64	7,005.22	1,888,085.001	2,759,742.974	36.188912954	-107.709125461
12,123.00	92.37	131.990	4,799.82	-4,452.29	7,075.20	1,888,022.353	2,759,812.957	36.188740605	-107.708888569
12,218.00	91.29	133.360	4,796.79	-4,516.65	7,145.01	1,887,957.993	2,759,882.763	36.188563557	-107.708652283
12,312.00	91.21	133.490	4,794.74	-4,581.25	7,213.26	1,887,893.393	2,759,951.016	36.188385852	-107.708421262
12,406.00	89.73	135.570	4,793.96	-4,647.16	7,280.26	1,887,827.480	2,760,018.019	36.188204545	-107.708194485
12,501.00	90.16	134.390	4,794.06	-4,714.32	7,347.46	1,887,760.330	2,760,085.216	36.188019839	-107.707967057
12,595.00	90.17	133.790	4,793.79	-4,779.72	7,414.98	1,887,694.926	2,760,152.731	36.187839929	-107.707738546
12,689.00	89.99	133.930	4,793.65	-4,844.85	7,482.75	1,887,629.794	2,760,220.508	36.187660763	-107.707509146
12,784.00	89.85	131.670	4,793.79	-4,909.39	7,552.45	1,887,565.251	2,760,290.208	36.187483210	-107.707273229
12,878.00	91.58	135.060	4,792.61	-4,973.92	7,620.77	1,887,500.724	2,760,358.527	36.187305703	-107.707041989
12,973.00	92.35	135.330	4,789.36	-5,041.28	7,687.68	1,887,433.361	2,760,425.433	36.187120411	-107.706815553
13,067.00	92.86	135.010	4,785.08	-5,107.88	7,753.88	1,887,366.766	2,760,491.635	36.186937228	-107.706591502



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	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
13,162.00	91.47	135.910	4,781.49	-5,175.54	7,820.46	1,887,299.104	2,760,558.218	36.186751115	-107.706366163
13,256.00	90.31	133.920	4,780.03	-5,241.90	7,887.02	1,887,232.747	2,760,624.773	36.186568588	-107.706140919
13,350.00	89.86	136.910	4,779.90	-5,308.84	7,953.00	1,887,165.808	2,760,690.750	36.186384460	-107.705917634
13,444.00	90.23	136.590	4,779.82	-5,377.30	8,017.40	1,887,097.341	2,760,755.156	36.186196142	-107.705699678
13,538.00	90.31	135.440	4,779.38	-5,444.94	8,082.68	1,887,029.708	2,760,820.435	36.186010112	-107.705478766
13,633.00	90.61	135.140	4,778.62	-5,512.45	8,149.51	1,886,962.196	2,760,887.266	36.185824408	-107.705252590
13,727.00	91.27	134.570	4,777.07	-5,578.74	8,216.14	1,886,895.906	2,760,953.893	36.185642061	-107.705027106
13,821.00	89.07	137.360	4,776.79	-5,646.31	8,281.47	1,886,828.340	2,761,019.221	36.185456210	-107.704806028
13,915.00	90.33	138.220	4,777.29	-5,715.93	8,344.62	1,886,758.718	2,761,082.372	36.185264723	-107.704592338
14,010.00	91.38	138.970	4,775.87	-5,787.17	8,407.44	1,886,687.473	2,761,145.194	36.185068775	-107.704379770
14,105.00	90.47	137.010	4,774.34	-5,857.75	8,471.01	1,886,616.899	2,761,208.762	36.184874669	-107.704164674
14,199.00	90.74	136.150	4,773.34	-5,926.02	8,535.61	1,886,548.628	2,761,273.368	36.184686885	-107.703946052
14,294.00	91.30	136.640	4,771.65	-5,994.80	8,601.12	1,886,479.849	2,761,338.877	36.184497702	-107.703724372
14,388.00	90.41	135.320	4,770.25	-6,062.38	8,666.44	1,886,412.264	2,761,404.189	36.184311798	-107.703503355
14,482.00	91.84	136.710	4,768.40	-6,130.00	8,731.70	1,886,344.645	2,761,469.453	36.184125804	-107.703282500
14,576.00	89.55	134.930	4,767.26	-6,197.40	8,797.20	1,886,277.245	2,761,534.951	36.183940408	-107.703060853
14,670.00	89.79	133.650	4,767.80	-6,263.04	8,864.48	1,886,211.609	2,761,602.235	36.183759849	-107.702833148
14,764.00	90.54	133.230	4,767.53	-6,327.67	8,932.73	1,886,146.976	2,761,670.487	36.183582044	-107.702602160
14,859.00	91.66	132.940	4,765.71	-6,392.55	9,002.10	1,886,082.096	2,761,739.855	36.183403555	-107.702367391
14,952.00	88.93	135.020	4,765.23	-6,457.12	9,069.01	1,886,017.527	2,761,806.765	36.183225928	-107.702140951
15,046.00	90.09	135.690	4,766.04	-6,524.00	9,135.06	1,885,950.652	2,761,872.816	36.183041972	-107.701917434
15,140.00	89.54	134.340	4,766.34	-6,590.48	9,201.51	1,885,884.169	2,761,939.264	36.182859088	-107.701692570
15,234.00	89.75	133.440	4,766.92	-6,655.65	9,269.25	1,885,819.003	2,762,007.005	36.182679818	-107.701463320
15,328.00	90.53	133.020	4,766.69	-6,720.03	9,337.74	1,885,754.621	2,762,075.494	36.182502697	-107.701231536
15,422.00	91.04	135.800	4,765.40	-6,785.80	9,404.88	1,885,688.854	2,762,142.630	36.182321777	-107.701004342
15,516.00	91.48	135.820	4,763.34	-6,853.18	9,470.38	1,885,621.469	2,762,208.135	36.182136420	-107.700782680
15,610.00	92.10	134.060	4,760.40	-6,919.54	9,536.89	1,885,555.106	2,762,274.637	36.181953863	-107.700557639
15,704.00	88.70	134.190	4,759.74	-6,984.98	9,604.35	1,885,489.672	2,762,342.101	36.181773856	-107.700329336
15,798.00	88.05	132.470	4,762.41	-7,049.45	9,672.70	1,885,425.198	2,762,410.447	36.181596481	-107.700098039
15,892.00	89.51	134.060	4,764.41	-7,113.86	9,741.13	1,885,360.792	2,762,478.877	36.181419291	-107.699866458
15,986.00	90.41	133.270	4,764.48	-7,178.76	9,809.12	1,885,295.891	2,762,546.874	36.181240746	-107.699636347
16,080.00	89.15	134.600	4,764.84	-7,243.98	9,876.81	1,885,230.674	2,762,614.563	36.181061330	-107.699407285
16,175.00	89.35	135.800	4,766.08	-7,311.38	9,943.75	1,885,163.272	2,762,681.496	36.180875916	-107.699180794
16,269.00	89.88	135.370	4,766.71	-7,378.52	10,009.53	1,885,096.131	2,762,747.280	36.180691222	-107.698958196
16,364.00	90.46	134.820	4,766.43	-7,445.81	10,076.59	1,885,028.845	2,762,814.342	36.180506127	-107.698731268
16,458.00	89.79	137.950	4,766.23	-7,513.85	10,141.43	1,884,960.799	2,762,879.176	36.180318950	-107.698511898
16,553.00	90.29	136.920	4,766.16	-7,583.82	10,205.69	1,884,890.832	2,762,943.435	36.180126497	-107.698294483
16,646.00	90.72	135.970	4,765.34	-7,651.21	10,269.76	1,884,823.437	2,763,007.513	36.179941112	-107.698077672
16,740.00	91.25	135.300	4,763.72	-7,718.40	10,335.48	1,884,756.247	2,763,073.230	36.179756282	-107.697855307
16,834.00	91.91	138.570	4,761.13	-7,787.04	10,399.63	1,884,687.609	2,763,137.382	36.179567480	-107.697638251
16,928.00	92.02	137.570	4,757.91	-7,856.93	10,462.41	1,884,617.719	2,763,200.157	36.179375242	-107.697425870
17,023.00	92.89	137.350	4,753.84	-7,926.86	10,526.58	1,884,547.787	2,763,264.328	36.179182886	-107.697208763
17,117.00	93.51	136.570	4,748.59	-7,995.46	10,590.63	1,884,479.193	2,763,328.382	36.178994203	-107.696992041
17,211.00	94.24	136.920	4,742.24	-8,063.76	10,654.90	1,884,410.889	2,763,392.648	36.178806317	-107.696774605
17,304.00	94.56	136.340	4,735.10	-8,131.17	10,718.57	1,884,343.484	2,763,456.323	36.178620901	-107.696559167
17,341.00	94.72	136.190	4,732.11	-8,157.81	10,744.07	1,884,316.837	2,763,481.818	36.178547602	-107.696472905
17,404.00	94.72	136.190	4,726.93	-8,203.12	10,787.53	1,884,271.527	2,763,525.283	36.178422965	-107.696325843



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #506H
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 #506H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Aug2923v16

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
421.00	420.98	1.42	-2.88	MWD surveys
3,014.80	2,820.45	-72.10	799.61	9 5/8" Casing Shoe @ 3014.80 MD 2820.45 TVD
5,443.10	4,816.70	-171.74	2,109.49	FTP @ 5443.10 MD 4816.70 TVD
7,046.00	4,851.52	-869.42	3,481.58	2371 FNL 2211 FEL @ 7046.00 MD 4851.52 TVD
17,302.70	4,735.21	-8,130.23	10,717.68	LTP @ 17302.70 MD 4735.21 TVD
17,341.00	4,732.11	-8,157.81	10,744.07	330 ppd/Survey @ 17341.00 MD 4732.11 TVD
17,404.00	4,726.93	-8,203.12	10,787.53	Survey proj. to 17404 MD 4726.93 TVD 854 FSL 196 FEL

WELL NAME: **RODEO UNIT 506H**

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

API Number: *30-045-38324*

AFE Number: *DV03106*

ER Well Number: *NM08336.01*

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 1,481 ft FNL 391 ft FEL

BH Location: 32-23N-08W Sec-Twn- Rng 926 ft FSL 234 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 506H is furthest from the location entrance and the existing facilities and directly across from the 510H well.

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	376	13.375	54.5	J-55	BTC	0	376
Intermediate	12.250	2,958	9.625	36.0	J-55	LTC	0	2,958
Production	8.500	17,393	5.500	17.0	P-110	LTC	0	17,393

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	322
Inter. (Lead) to 10' Inter. (Tail)	Type III:P	12.5	2.14	12.05	0.3627	70%	0	594
	Type III	14.6	1.38	6.64	0.3132	20%	2,414	137
Prod. (Lead) Prod. (Tail)	Type III	12.4	2.260	12.7	0.2691	65%	0	549
	G:POZ blend	13.3	1.570	7.7	0.2291	10%	4,147	2,130

COMPLETION / PRODUCTION SUMMARY:

Frac: Perf, Plug & Frac 42 stages:2 spf. 0.31” diameter from 5553’ to 17,271’ MD Total of 1,176 open holes

As pumped: 160,982 bbls of fluid. 11,831,019 lbs of proppant

17,271 -11,535 was perf'd, after setting plugs 9,851-5553 were perf'd. Isolating 11,535-9851. Frac activities commenced.

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

QUICK REFERENCE	
Sur TD (MD)	376 ft
Int TD (MD)	2,958 ft
KOP (MD)	5,010 ft
KOP (TVD)	4,562 ft
Target (TVD)	4,870 ft
Curve BUR	10 °/100 ft
POE (MD)	6,692 ft
TD (MD)	17,404 ft
Lat Len (ft)	10,662 ft

Formation	TVD (ft A)	TVD (ft B)	MD (ft KB)
Ojo Alamo	6332	551	551
Kirtland	6231	652	652
Fruitland	6035	848	849
Pictured Cl	5730	1153	1154
Lewis	5568	1315	1319
Chacra	5309	1574	1587
Cliff House	4247	2636	2797
Menefee	4225	2658	2823
Point Look	3234	3649	3952
Mancos	3102	3781	4102
Gallup (MN	2759	4124	4497

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
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM120377
6. If Indian, Allottee or Tribe Name
NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

7. If Unit of CA/Agreement, Name and/or No.
NMNM136328A

8. Well Name and No. RODEO UNIT/506H

2. Name of Operator
ENDURING RESOURCES LLC

9. API Well No. 3004538324

3a. Address 200 ENERGY COURT, FARMINGTON, NM 87401
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	
	☐ Alter Casing	☒ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
☐ Final Abandonment Notice	☐ 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 recompleation 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.)

1/6/24: 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 6435 psi.
1/6/24 to 1/17/24: Perf, Plug & Frac 42 stages:2 spf. 0.31 diameter from 5553 to 17,271 MD (4749 to 4861 TVD). Total of 1,176 open holes. As pumped: 160,982 bbls of fluid. 11,831,019 lbs of proppant.
1/30/24: MIRU AWS 812. NU BOP. Full function PT to L400 H4800 (30min) test good & recorded on chart.
1/30/24 to 2/3/24: TIH. Drill out plugs. TOH.
2/3/24: RIH with production string. Land 170 jts of 2.875 6.5# L80 STC tubing . EOT: 5632. Seven GLVs set at 1337 1931 2526 3120 3682 4243 4805. POH. ND BOPE. NU production tree & PT to 10k (30min) test good & recorded on chart. Turn well over to production. Rig released on 2/3/24.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
HEATHER HUNTINGTON / Ph: (505) 636-9751

Title Permitting Technician

(Electronic Submission)
Signature

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.

(Instructions on page 2)



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

Well Completion Print

03/13/2024

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

Section 1 - General

Well Completion Report Id: 91221**Submission Date:** 03-05-2024**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:** 10-17-2023**Date Total Measured Depth Reached:** 12-18-2023**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 506H	US Well Number 3004538324
	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 10400084208

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		6332	551	551	USEABLE WATER	
KIRTLAND	COAL, SHALE		6231	652	652	COAL, NATURAL GAS	
FRUITLAND	COAL		6035	848	848	COAL	
PICTURED CLIFFS	SANDSTONE, SHALE		5730	1153	1154	NATURAL GAS	
LEWIS	SHALE		5568	1315	1319	NATURAL GAS	
CHACRA	SANDSTONE, SHALE		5309	1574	1587	NATURAL GAS	
CLIFFHOUSE	SANDSTONE		4247	2636	2797	NATURAL GAS	
MENEFEE	COAL, SANDSTONE, SHALE		4225	2658	2823	NATURAL GAS	
POINT LOOKOUT	SANDSTONE, SHALE		3234	3649	3952	NATURAL GAS	
MANCOS	SHALE		3102	3781	4102	NATURAL GAS, OIL	
GALLUP	SHALE		2759	4124	4497	NATURAL GAS, OIL	

Completion and Completed

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

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	S1	1	NMNM136328A	NMNM120377	NEW		POW	02-03-2024	02-05-2024	GALLUP	5554	17271	Y	.31	1176	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	160982	11831019	17,271 - 11,535 was perf'd, after setting plugs 9,851-5553 were perf'd. Isolating 11,535-9851. Frac activities commenced .

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			GAS LIFT		SOLD	

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

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	S1	1	02/09/2024	24	20	489	744	24450	64/64	96		744

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	36.200994	-107.73285	6883	N/A	N/A	INDIAN	NMNM36949				1481	FNL	391	FEL	23N	9W	25	SENE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200994	-107.73285	6507	376	376	INDIAN	NMNM36949				1481	FNL	391	FEL	23N	9W	25	SENE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.1899941	-107.710472	6883	0	0	STATE	STATE				238	FNL	918	FWL	23N	8W	32	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.183335	-107.702281	2157	17344	4726	INDIAN	NOG14191980				2638	FNL	1951	FEL	23N	8W	32	NWSE

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

	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	36.19318	-107.714381	6883	0	0	FEDERAL	NMNM136159				939	FSL	238	FEL	23N	8W	30	SESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200516	-107.725701	2157	17344	4726	FEDERAL	NMNM120377				1663	FNL	1718	FWL	23N	8W	30	SENW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.197863	-107.720182	2157	17344	4726	FEDERAL	NMNM136159				2369	FNL	1953	FEL	23N	8W	30	NWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.178623	-107.696562	2157	17393	4726	INDIAN	NOG14191980				926	FSL	266	FEL	23N	8W	32	SESE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.178423	-107.696326	2157	17404	4726	INDIAN	NOG14191980	4726	17344		854	FSL	196	FEL	23N	8W	32	SESE

Casing, Liner and Tubing

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

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	376	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	2958	9.625	36	J-55		LT&C		
00	PRODUCTION	8.5	0	17393	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	322	1.33	0					76.3
00	INTERMEDIATE		Type III: POZ Blend	594	2.14	0	Type III	137	1.38	2414	260.1
00	PRODUCTION		Type III	549	2.26	0	Class G:POZ Blend	2130	1.57	4147	816.6

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		5632		6	L-80		ST&C	

Operator Name ENDURING RESOURCES LLC SHL SENE Sec 25 23N 9W	Well Name RODEO UNIT	Well Number 506H	US Well Number 3004538324
	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 10400084208

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: 03/13/2024

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: 506H, Notification of Well Completion Acceptance
Date: Wednesday, March 13, 2024 2:10:21 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **ENDURING RESOURCES LLC**
- Well Name: **RODEO UNIT**
- Well Number: **506H**
- US Well Number: **3004538324**
- Well Completion Report Id: **WCR2024031391221**

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 506H	US Well Number 3004538324
	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 10400084208

Rodeo_Unit_506H_As_Drilled_C_102_Plat___SIGNED_20240312074739.pdf

Rodeo_unit_506H_PVA_final_1_3_24_20240312074800.pdf

WBD_RODEO_506H_03122024_20240313110758.pdf

CONFIDENTIAL

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 323083

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 323083
	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 323083

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 323083
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

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