

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 RT	
⁴ API Number 30-045-35923	⁵ Pool Name BASIN MANCOS		⁶ Pool Code 97232
⁷ Property Code 321253	⁸ Property Name RODEO UNIT		⁹ Well Number #494H

II. ¹⁰ Surface Location

UL or lot no. D	Section 31	Township 23N	Range 8W	Lot Idn 1	Feet from the 225'	North/South Line NORTH	Feet from the 935'	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location

UL or lot no. M	Section 32	Township 23N	Range 8W	Lot Idn	Feet from the 180'	North/South line SOUTH	Feet from the 814'	East/West line WEST	County SAN JUAN
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 12/30/2022		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, LLC		O
373888	HARVEST FOUR CORNERS. LLC		G

IV. Well Completion Data

²¹ Spud Date 8/2/2022	²² Ready Date 12/30/2022	²³ TD 13451' MD 4530' TVD	²⁴ PBDT 13373' MD 4534' TVD	²⁵ Perforations ~ 5161' - 13374' MD ~ 4570'-4534' TVD	²⁶ DHC, MC R-14051	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8",54.5#, J-55		360' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2808' MD		675 sx- surface
8-1/2"		5-1/2",20#, P-110		13451' MD		2058 sx- surface

V. Well Test Data

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

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION Approved by: 	
Printed name: Kayla White		Title: Petroleum Engineer	
Title: Environmental Engineer		Approval Date: 01/12/23	
E-mail Address: kwhite@cdhconsult.com		RT expires on 03/30/23	
Date: 12/2/2022	Phone: 720-768-3575		



ENDURING RESOURCES IV LLC

December 2, 2022

Re: *RODEO UNIT 494H-30-045-35923*

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".

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

Submit one copy to
Appropriate District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35923	² Pool Code 97232	³ Pool Name BASIN MANCOS
⁴ Property Code 321253	⁵ Property Name RODEO UNIT	⁶ Well Number 494H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6680'

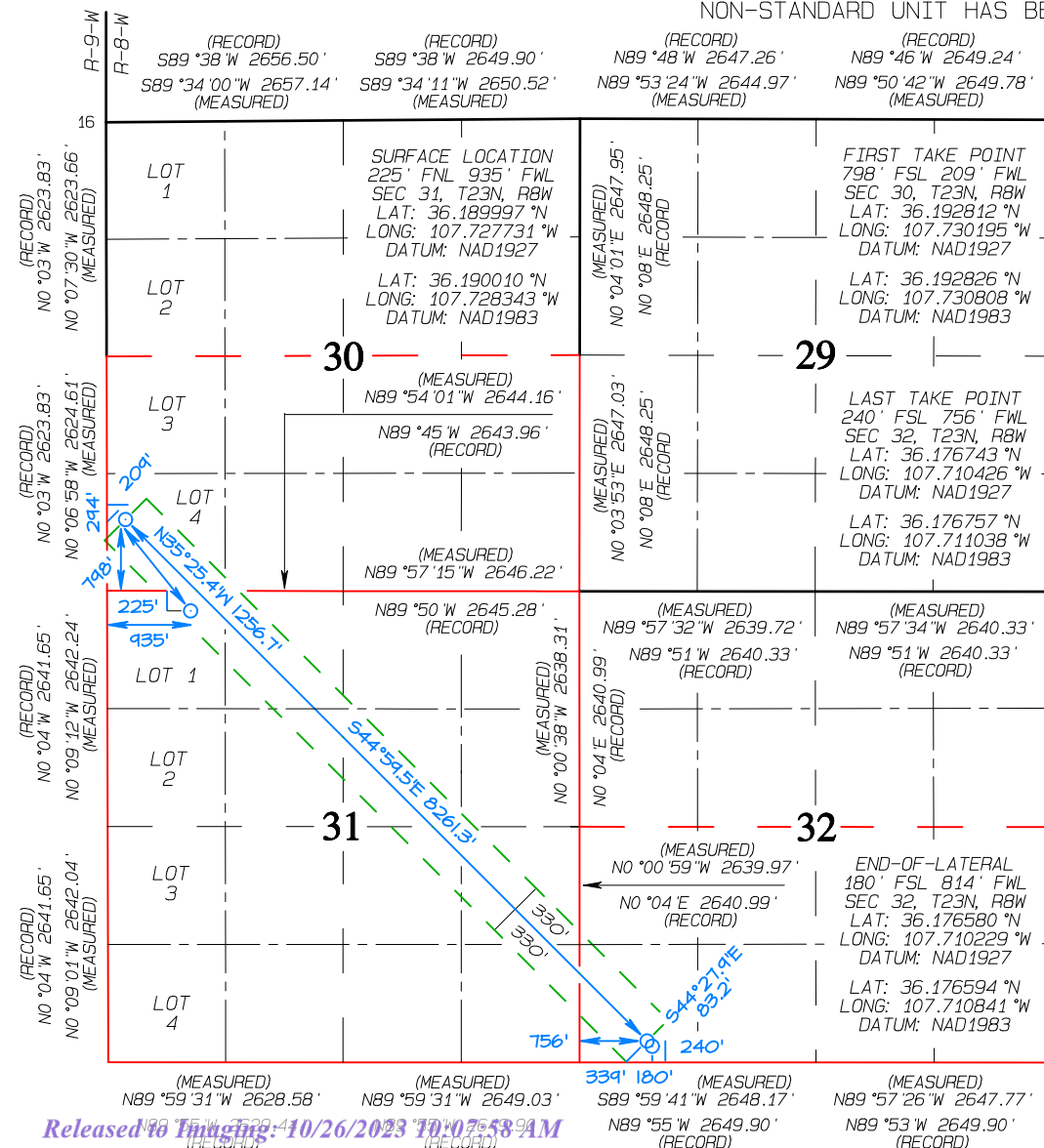
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	31	23N	8W	1	225	NORTH	935	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	23N	8W		180	SOUTH	814	WEST	SAN JUAN

¹² Dedicated Acres 1283.63	S/2 - Section 30 Entire Section 31 S/2 - Section 32	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 DIVISION¹⁷ 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 11/30/22

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: NOVEMBER 29, 2022
Date of Survey: APRIL 12, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

Submit one copy to
Appropriate District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT

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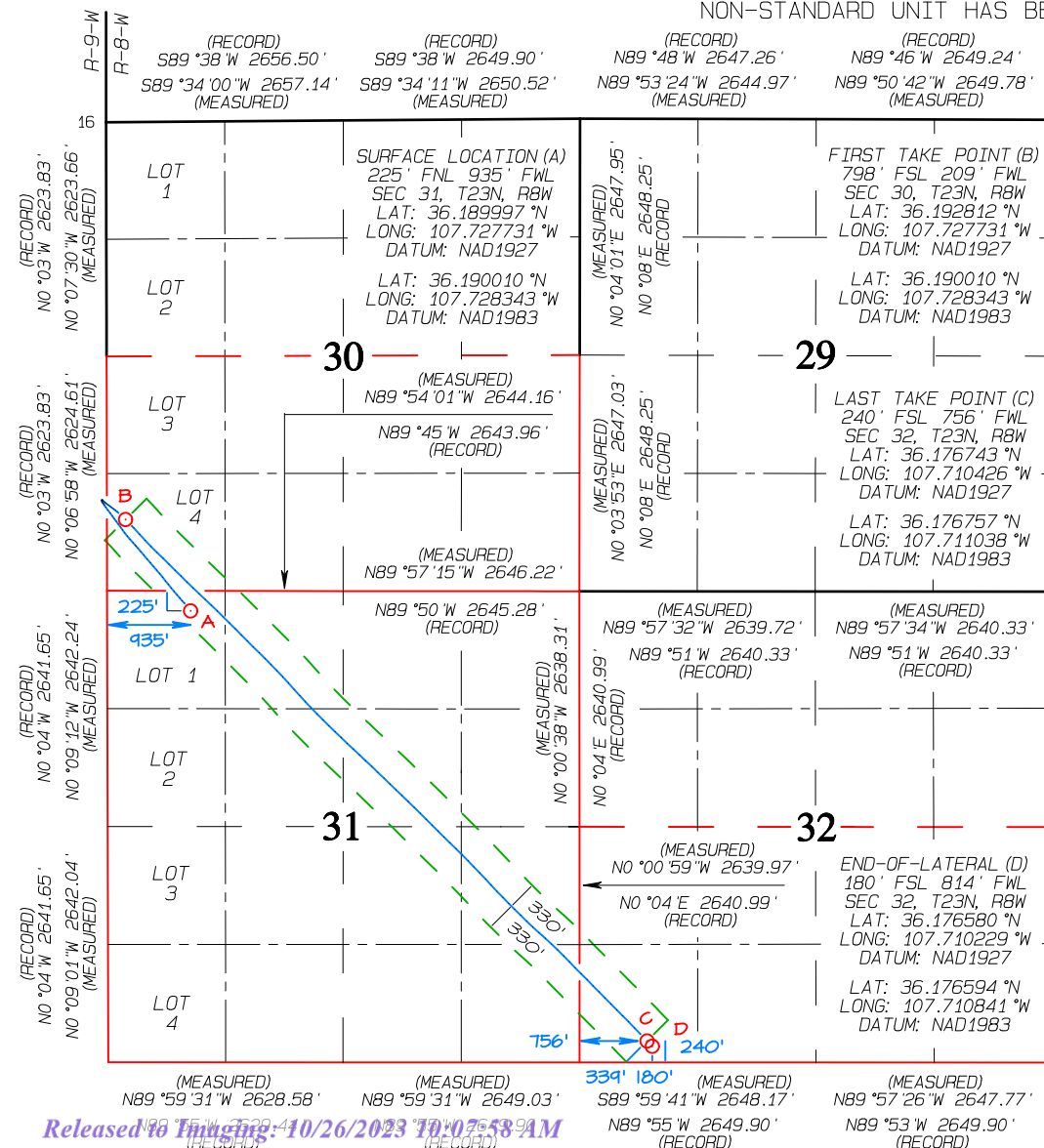
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Signature Heather Huntington Date 11/30/22Printed Name
Heather HuntingtonE-mail Address
hhuntington@enduringresources.com¹⁸ SURVEYOR CERTIFICATION

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Date Revised: NOVEMBER 29, 2022
Date of Survey: APRIL 12, 2016

Signature and Seal of Professional Surveyor

Jason C. Edwards
Certificate Number 15269

District III

District IV

AS DDTLED

Energy, Minerals & Natural Resources Department

Revised August 1, 2011

Appropriate District Office

OTI CONSERVATION DIVISION

1220 South St. Francis Drive

Santa Fe, NM 87505

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35923	² Pool Code 97232	³ Pool Name BASIN MANCOS
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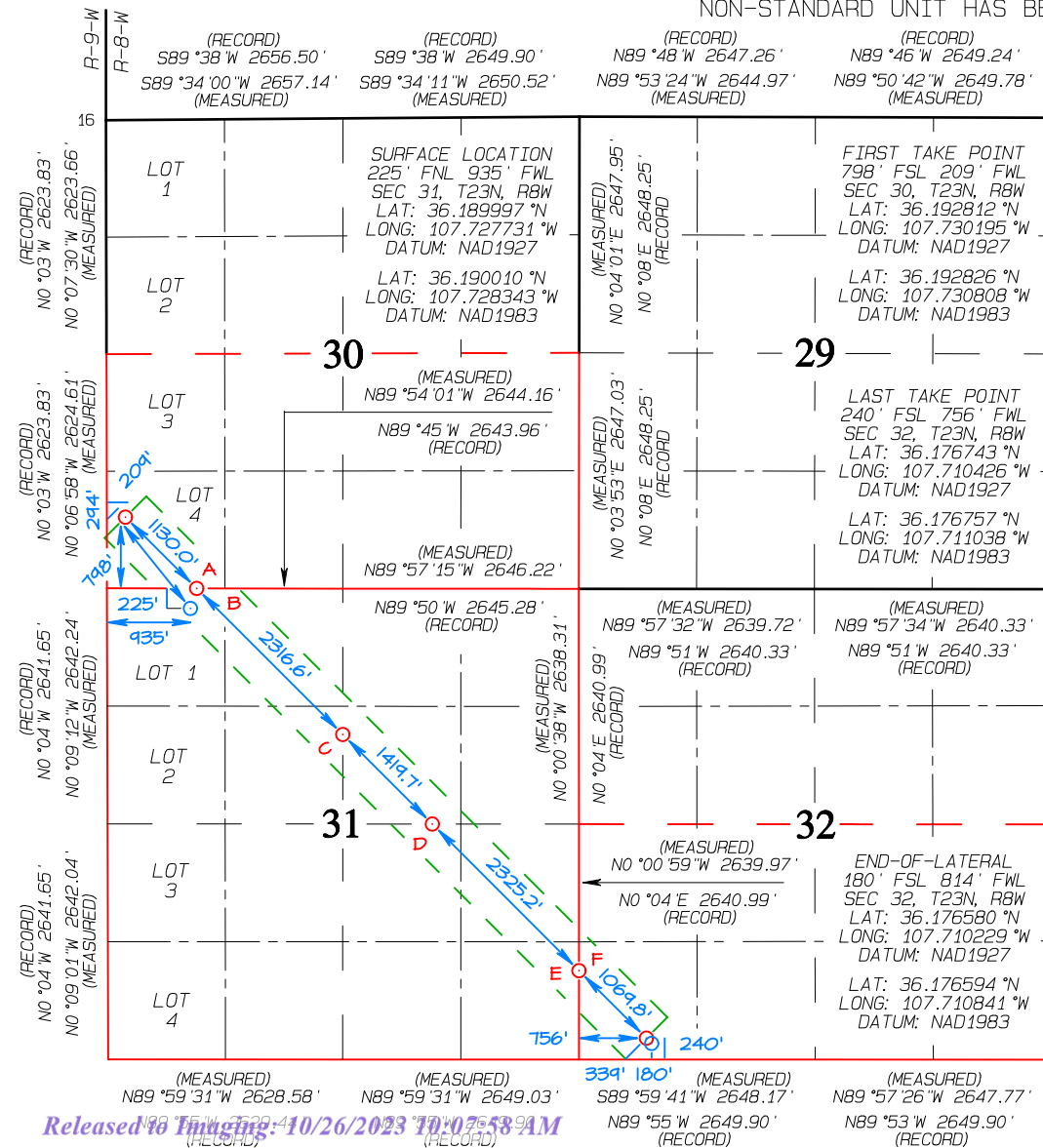
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D	31	23N	8W	1	225	NORTH	935	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	23N	8W		180	SOUTH	814	WEST	SAN JUAN

12	Dedicated Acres	S/2 - Section 30 Entire Section 31 S/2 - Section 32	13 Joint or Infill	14 Consolidation Code	15 Order No. R-14313
	1283.63		NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION
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17 OPERATOR CERTIFICATION

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Signature 11/30/22
Date

Heather Huntington

Printed Name _____

hhuntington@enduringresources.com
E-mail Address

18 SURVEYOR CERTIFICATION

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Date Revised: NOVEMBER 29, 2022
Date of Survey: APRIL 12, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number	15269
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(A) 0' FSL 1006' FWL
SEC 30, T23N, R8W
LAT: 36.190614 °N
LONG: 107.727491 °W
DATUM: NAD1927

LAT: 36.190628 °N
LONG: 107.728103 °W
DATUM: NAD1983

(B) 0' FNL 1006' FWL
SEC 31, T23N, R8W
LAT: 36.190614 °N
LONG: 107.727491 °W
DATUM: NAD1927

LAT: 36.190628 °N
LONG: 107.728103 °W
DATUM: NAD1983

(C) 1636' FNL 2639' FWL
SEC 31, T23N, R8W
LAT: 36.186109 °N
LONG: 107.721947 °W
DATUM: NAD1927

LAT: 36.186122 °N
LONG: 107.722559 °W
DATUM: NAD1983

(D) 2639' FNL 1644' FEL
SEC 31, T23N, R8W
LAT: 36.183347 °N
LONG: 107.718549 °W
DATUM: NAD1927

LAT: 36.183361 °N
LONG: 107.719162 °W
DATUM: NAD1983

(E) 996' FSL 0' FEL
SEC 31, T23N, R8W
LAT: 36.178824 °N
LONG: 107.712986 °W
DATUM: NAD1927

LAT: 36.178838 °N
LONG: 107.713598 °W
DATUM: NAD1983

(F) 996' FSL 0' FWL
SEC 32, T23N, R8W
LAT: 36.178824 °N
LONG: 107.712986 °W
DATUM: NAD1927

LAT: 36.178838 °N
LONG: 107.713598 °W
DATUM: NAD1983



Well: Rodeo Unit #494H
Site: Rodeo Unit 492 pad (494 & 495)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev3
Rig: Ensign 145

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Rodeo 494 FTP 764 FSL 234 FEL 330 perp r3	4551.77	980.65	-696.53	1889458.303	2753375.288	36.192706000	-107.730700000
Rodeo 494 LTP 233 FSL 746 FWL 330 perp r3	4527.00	-4824.94	5102.36	1883652.721	2759174.171	36.176739000	-107.711072000
Rodeo 494 TGT 4579 TVD @ OVS	4579.00	141.49	141.66	1888619.140	2754213.480	36.190398265	-107.727862401

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=6680+13 @ 6693.00ft (Ensign 145)
 Surface location:
 Northing: 1888477.650 Easting: 2754071.821 Latitude: 36.190010000 Longitude: -107.728343000

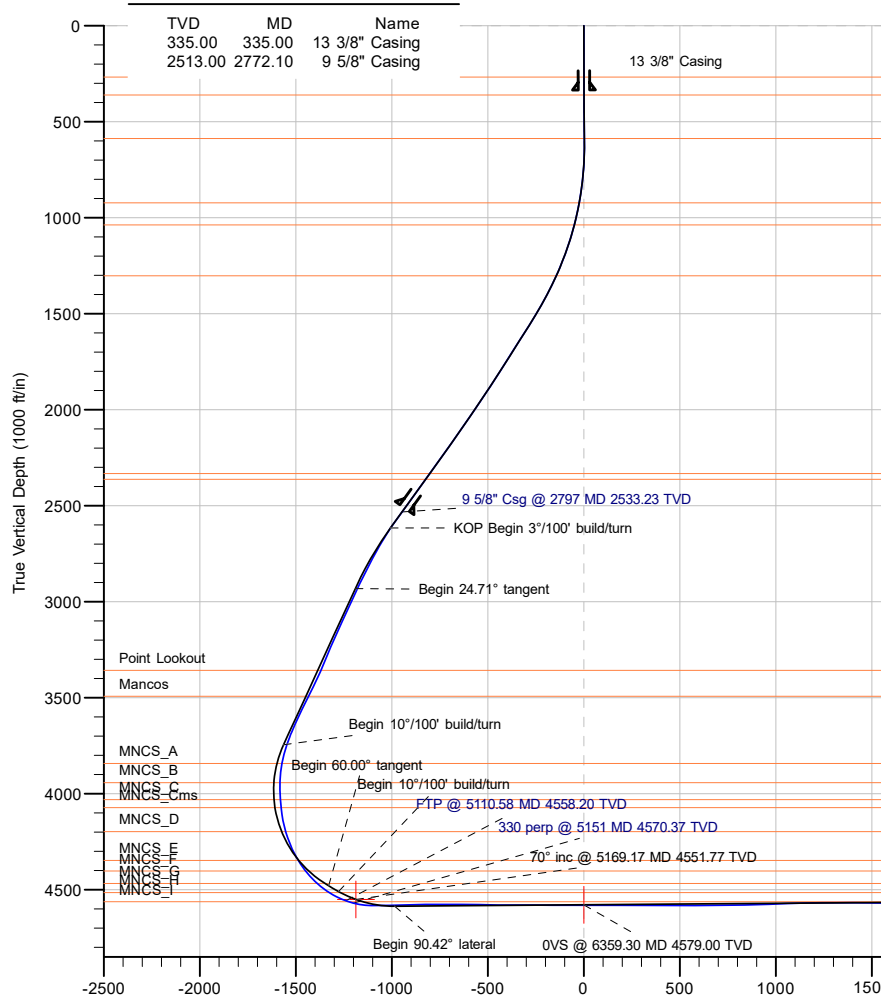


Azimuths to Grid North
 True North: -0.06°
 Magnetic North: 8.59°

Magnetic Field
 Strength: 49151.2nT
 Dip Angle: 62.69°
 Date: 10/23/2022
 Model: IGRF2020

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.59°

CASING DETAILS

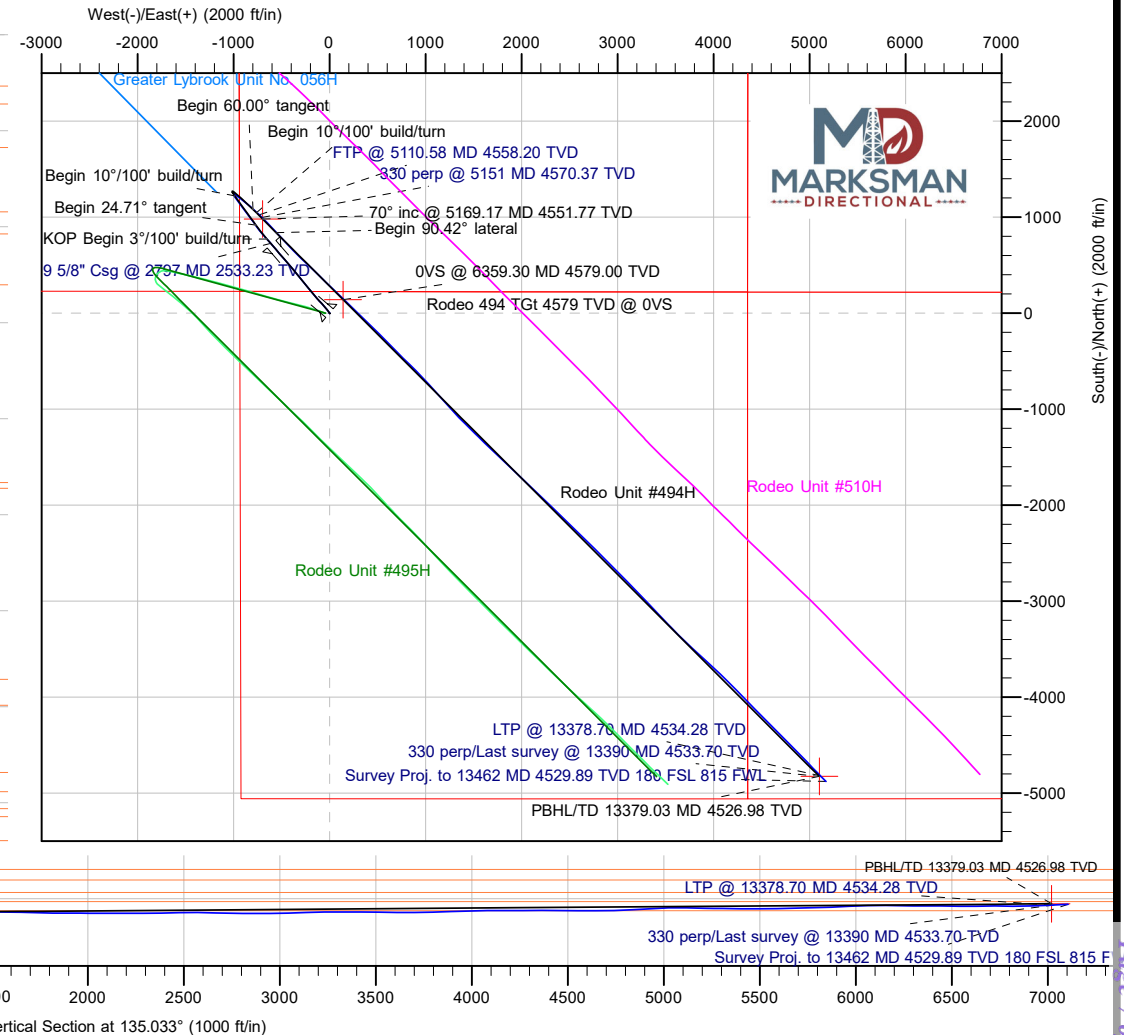


Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	2749.00	35.69	319.170	2494.24	705.99	-593.34	0.00	0.00	-918.82	Survey @ 2749.00 MD 2494.24 TVD
2	2899.00	35.69	319.170	2616.06	772.21	-650.56	0.00	0.00	-1006.10	KOP Begin 3°/100' build/turn
3	3266.32	24.95	324.143	2932.72	916.52	-766.35	3.00	168.97	-1190.03	Begin 24.71° tangent
4	4162.30	24.95	324.143	3745.08	1222.86	-987.76	0.00	0.00	-1563.24	Begin 10°/100' build/turn
5	5009.17	60.00	135.033	4479.56	1081.45	-797.22	10.00	172.08	-1328.54	Begin 60.00° tangent
6	5069.17	60.00	135.033	4509.56	1044.69	-760.50	0.00	0.00	-1276.58	Begin 10°/100' build/turn
7	5169.17	70.00	135.033	4551.77	980.65	-696.53	10.00	0.00	-1186.06	70° inc @ 5169.17 MD 4551.77 TVD
8	5373.41	90.42	135.033	4586.31	839.00	-555.04	10.00	0.00	-985.85	Begin 90.42° lateral
9	6359.30	90.42	135.033	4579.00	141.49	141.66	0.00	0.00	0.00	OVS @ 6359.30 MD 4579.00 TVD
10	13379.03	90.42	135.033	4526.98	-4824.93	5102.37	0.00	0.00	7019.55	PBHL/TD 13379.03 MD 4526.98

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
385.00	0.42	130.480	385.00	-0.92	1.07	1.41	MWD surveys
2797.00	35.67	319.079	2533.23	727.16	-611.66	-946.74	9 5/8\" Csg @ 2797 MD 2533.23 TVD
5110.58	69.87	134.609	4558.20	1024.21	-728.40	-1239.41	FTP @ 5110.58 MD 4558.20 TVD
5151.00	75.08	135.286	4570.37	996.98	-701.15	-1200.88	330 perp @ 5151 MD 4570.37 TVD
13378.70	92.85	135.737	4534.28	-4818.32	5112.31	7021.89	LTP @ 13378.70 MD 4534.28 TVD
13390.00	93.03	135.520	4533.70	-4826.39	5120.20	7033.18	330 perp/Last survey @ 13390 MD 4533.70 TVD
13462.00	93.03	135.520	4529.89	-4877.69	5170.57	7105.08	Survey Proj. to 13462 MD 4529.89 TVD 180 FSL 815 F





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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 492 pad (494 & 495)		
Site Position:		Northing:	1,888,477.650 usft
From:	Lat/Long	Easting:	2,754,071.821 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.190010000
		Longitude:	-107.728343000

Well	Rodeo Unit #494H, Surf loc: 225 FNL 935 FWL Section 31-T23N-R08W		
Well Position	+N/-S	0.00 ft	Northing: 1,888,477.650 usft
	+E/-W	0.00 ft	Easting: 2,754,071.821 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	0.06 °	Ground Level:	6,680.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/23/2022	8.65	62.69	49,151.17070022

Design	Surveys Original Hole				
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	135.033	

Survey Program	Date	11/11/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	2,749.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,823.00	13,390.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,462.00	13,462.00	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
385.00	0.42	130.480	385.00	-0.92	1.07	1.41	0.11	0.11	0.00
MWD surveys									
416.00	0.48	121.640	416.00	-1.06	1.27	1.65	0.30	0.19	-28.52
506.00	0.56	130.250	505.99	-1.54	1.93	2.45	0.12	0.09	9.57
597.00	0.72	146.720	596.99	-2.31	2.58	3.45	0.27	0.18	18.10
689.00	2.16	321.760	688.97	-1.43	1.82	2.30	3.13	1.57	190.26
778.00	5.45	326.540	777.76	3.42	-1.55	-3.51	3.71	3.70	5.37



Survey Report



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Design:	Surveys Original Hole	Database:	DB_Feb2822

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)
867.00	8.72	327.500	866.07	12.64	-7.50	-14.24	3.68	3.67	1.08
957.00	11.63	323.730	954.65	25.71	-16.54	-29.87	3.32	3.23	-4.19
1,053.00	14.76	320.410	1,048.10	42.94	-30.06	-51.62	3.35	3.26	-3.46
1,148.00	18.18	317.730	1,139.19	63.24	-47.74	-78.48	3.69	3.60	-2.82
1,243.00	21.94	317.810	1,228.41	87.36	-69.64	-111.02	3.96	3.96	0.08
1,337.00	24.87	317.270	1,314.67	114.90	-94.85	-148.32	3.13	3.12	-0.57
1,431.00	27.84	318.760	1,398.89	145.93	-122.74	-189.99	3.24	3.16	1.59
1,525.00	30.34	318.880	1,481.02	180.32	-152.83	-235.58	2.66	2.66	0.13
1,620.00	32.51	320.230	1,562.09	218.03	-184.94	-284.95	2.40	2.28	1.42
1,714.00	32.56	320.970	1,641.34	257.09	-217.03	-335.27	0.43	0.05	0.79
1,808.00	32.29	321.030	1,720.68	296.26	-248.75	-385.40	0.29	-0.29	0.06
1,902.00	32.85	321.690	1,799.90	335.79	-280.34	-435.69	0.71	0.60	0.70
1,997.00	33.01	321.740	1,879.63	376.32	-312.34	-486.99	0.17	0.17	0.05
2,091.00	34.67	319.500	1,957.71	416.76	-345.56	-539.08	2.21	1.77	-2.38
2,186.00	34.24	319.220	2,036.04	457.55	-380.57	-592.67	0.48	-0.45	-0.29
2,281.00	34.85	319.010	2,114.29	498.27	-415.83	-646.40	0.65	0.64	-0.22
2,375.00	35.48	319.300	2,191.14	539.23	-451.23	-700.40	0.69	0.67	0.31
2,470.00	36.10	319.780	2,268.20	581.50	-487.28	-755.78	0.72	0.65	0.51
2,564.00	36.04	319.770	2,344.18	623.76	-523.03	-810.94	0.06	-0.06	-0.01
2,658.00	35.72	319.460	2,420.34	665.72	-558.72	-865.86	0.39	-0.34	-0.33
2,749.00	35.69	319.170	2,494.24	705.99	-593.34	-918.82	0.19	-0.03	-0.32
2,797.00	35.67	319.079	2,533.23	727.16	-611.66	-946.74	0.12	-0.04	-0.19
9 5/8" Csg @ 2797 MD 2533.23 TVD									
2,823.00	35.66	319.030	2,554.35	738.61	-621.60	-961.86	0.12	-0.04	-0.19
2,886.00	35.01	317.300	2,605.75	765.76	-645.89	-998.24	1.89	-1.03	-2.75
2,981.00	30.45	318.810	2,685.64	803.93	-680.25	-1,049.52	4.88	-4.80	1.59
3,075.00	28.05	320.470	2,767.65	838.90	-710.01	-1,095.30	2.69	-2.55	1.77
3,170.00	27.66	322.730	2,851.65	873.68	-737.58	-1,139.39	1.18	-0.41	2.38
3,264.00	25.34	324.960	2,935.77	907.52	-762.34	-1,180.83	2.69	-2.47	2.37
3,358.00	25.06	323.760	3,020.82	940.04	-785.66	-1,220.32	0.62	-0.30	-1.28
3,453.00	24.43	322.690	3,107.10	971.90	-809.46	-1,259.68	0.81	-0.66	-1.13
3,547.00	24.49	324.970	3,192.66	1,003.31	-832.43	-1,298.13	1.01	0.06	2.43
3,641.00	22.67	323.440	3,278.81	1,033.82	-854.40	-1,335.25	2.04	-1.94	-1.63
3,735.00	23.48	323.380	3,365.29	1,063.40	-876.37	-1,371.70	0.86	0.86	-0.06
3,830.00	27.37	323.010	3,451.07	1,096.04	-900.80	-1,412.06	4.10	4.09	-0.39
3,924.00	26.43	321.550	3,534.90	1,129.69	-926.81	-1,454.25	1.22	-1.00	-1.55
4,019.00	25.10	326.040	3,620.46	1,162.96	-951.22	-1,495.04	2.49	-1.40	4.73
4,082.00	22.61	325.900	3,678.08	1,184.08	-965.48	-1,520.05	3.95	-3.95	-0.22
4,114.00	21.11	324.960	3,707.78	1,193.89	-972.23	-1,531.77	4.81	-4.69	-2.94
4,145.00	19.83	324.110	3,736.82	1,202.72	-978.52	-1,542.46	4.24	-4.13	-2.74
4,176.00	18.29	325.490	3,766.12	1,210.99	-984.36	-1,552.44	5.18	-4.97	4.45
4,208.00	15.51	328.100	3,796.73	1,218.76	-989.47	-1,561.55	9.00	-8.69	8.16
4,239.00	12.62	332.890	3,826.80	1,225.30	-993.20	-1,568.81	10.04	-9.32	15.45
4,270.00	10.35	341.600	3,857.18	1,230.95	-995.62	-1,574.52	9.20	-7.32	28.10



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,302.00	8.04	355.750	3,888.77	1,235.91	-996.70	-1,578.79	10.05	-7.22	44.22
4,334.00	6.45	13.820	3,920.52	1,239.89	-996.43	-1,581.42	8.62	-4.97	56.47
4,365.00	5.69	37.900	3,951.35	1,242.80	-995.07	-1,582.51	8.50	-2.45	77.68
4,397.00	5.24	63.620	3,983.21	1,244.70	-992.79	-1,582.24	7.71	-1.41	80.38
4,428.00	4.77	95.010	4,014.10	1,245.21	-990.24	-1,580.81	8.85	-1.52	101.26
4,459.00	4.92	130.570	4,044.99	1,244.24	-987.94	-1,578.49	9.55	0.48	114.71
4,491.00	6.25	152.700	4,076.84	1,241.80	-986.10	-1,575.46	7.83	4.16	69.16
4,523.00	8.57	149.290	4,108.58	1,238.20	-984.08	-1,571.49	7.38	7.25	-10.66
4,554.00	11.05	138.470	4,139.12	1,233.99	-980.93	-1,566.29	9.94	8.00	-34.90
4,586.00	13.72	131.900	4,170.38	1,229.16	-976.08	-1,559.44	9.42	8.34	-20.53
4,617.00	16.52	130.310	4,200.30	1,223.85	-969.98	-1,551.37	9.13	9.03	-5.13
4,649.00	19.02	129.260	4,230.77	1,217.60	-962.47	-1,541.65	7.88	7.81	-3.28
4,680.00	21.84	127.840	4,259.82	1,210.87	-954.00	-1,530.90	9.24	9.10	-4.58
4,712.00	25.01	126.930	4,289.18	1,203.15	-943.89	-1,518.29	9.97	9.91	-2.84
4,743.00	28.22	126.980	4,316.89	1,194.80	-932.80	-1,504.55	10.36	10.35	0.16
4,774.00	31.29	126.480	4,343.80	1,185.60	-920.46	-1,489.32	9.94	9.90	-1.61
4,806.00	34.44	126.950	4,370.67	1,175.22	-906.55	-1,472.14	9.88	9.84	1.47
4,838.00	37.75	126.340	4,396.53	1,163.98	-891.42	-1,453.50	10.40	10.34	-1.91
4,869.00	40.87	126.570	4,420.51	1,152.31	-875.63	-1,434.08	10.08	10.06	0.74
4,901.00	44.42	127.430	4,444.04	1,139.26	-858.32	-1,412.62	11.24	11.09	2.69
4,932.00	47.52	128.930	4,465.59	1,125.48	-840.81	-1,390.49	10.59	10.00	4.84
4,963.00	51.14	130.040	4,485.79	1,110.52	-822.67	-1,367.09	11.99	11.68	3.58
4,995.00	55.25	131.040	4,504.96	1,093.87	-803.21	-1,341.55	13.08	12.84	3.13
5,027.00	59.24	132.160	4,522.27	1,076.00	-783.09	-1,314.70	12.81	12.47	3.50
5,058.00	63.05	133.060	4,537.22	1,057.62	-763.12	-1,287.58	12.55	12.29	2.90
5,090.00	67.23	134.120	4,550.67	1,037.60	-742.09	-1,258.56	13.40	13.06	3.31
5,110.58	69.87	134.609	4,558.20	1,024.21	-728.40	-1,239.41	12.99	12.80	2.38
FTP @ 5110.58 MD 4558.20 TVD									
5,121.00	71.20	134.850	4,561.67	1,017.30	-721.42	-1,229.58	12.99	12.81	2.31
5,151.00	75.08	135.286	4,570.37	996.98	-701.15	-1,200.88	13.01	12.94	1.45
330 perp @ 5151 MD 4570.37 TVD									
5,152.00	75.21	135.300	4,570.63	996.29	-700.47	-1,199.91	13.01	12.94	1.42
5,184.00	79.83	135.820	4,577.54	973.99	-678.60	-1,168.68	14.52	14.44	1.63
5,215.00	84.41	136.360	4,581.79	951.87	-657.31	-1,137.98	14.87	14.77	1.74
5,246.00	89.23	137.440	4,583.51	929.28	-636.17	-1,107.06	15.93	15.55	3.48
5,341.00	92.12	137.950	4,582.39	859.03	-572.24	-1,012.18	3.09	3.04	0.54
5,435.00	91.58	137.220	4,579.36	789.67	-508.87	-918.32	0.97	-0.57	-0.78
5,529.00	91.08	135.170	4,577.17	721.85	-443.82	-824.37	2.24	-0.53	-2.18
5,623.00	89.13	134.560	4,577.00	655.54	-377.20	-730.37	2.17	-2.07	-0.65
5,717.00	90.03	134.250	4,577.69	589.77	-310.05	-636.38	1.01	0.96	-0.33
5,812.00	88.91	134.460	4,578.57	523.36	-242.13	-541.40	1.20	-1.18	0.22
5,907.00	89.26	134.650	4,580.09	456.72	-174.44	-446.41	0.42	0.37	0.20
6,001.00	90.50	134.790	4,580.28	390.58	-107.65	-352.41	1.33	1.32	0.15



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,095.00	89.20	134.250	4,580.53	324.67	-40.63	-258.42	1.50	-1.38	-0.57
6,190.00	90.22	134.350	4,581.01	258.32	27.36	-163.43	1.08	1.07	0.11
6,284.00	89.02	133.570	4,581.63	193.07	95.02	-69.45	1.52	-1.28	-0.83
6,378.00	90.94	132.990	4,581.67	128.63	163.45	24.50	2.13	2.04	-0.62
6,472.00	89.11	133.830	4,581.63	64.04	231.73	118.46	2.14	-1.95	0.89
6,566.00	90.00	133.970	4,582.36	-1.14	299.46	212.43	0.96	0.95	0.15
6,661.00	89.22	135.260	4,583.00	-67.86	367.08	307.43	1.59	-0.82	1.36
6,756.00	89.62	134.690	4,583.96	-135.00	434.28	402.42	0.73	0.42	-0.60
6,850.00	91.95	134.920	4,582.68	-201.23	500.97	496.41	2.49	2.48	0.24
6,944.00	89.07	135.230	4,581.84	-267.77	567.34	590.39	3.08	-3.06	0.33
7,039.00	89.71	135.290	4,582.85	-335.25	634.20	685.38	0.68	0.67	0.06
7,134.00	91.22	134.940	4,582.08	-402.56	701.24	780.38	1.63	1.59	-0.37
7,228.00	92.21	134.590	4,579.27	-468.72	767.95	874.33	1.12	1.05	-0.37
7,322.00	91.58	135.330	4,576.16	-535.10	834.43	968.28	1.03	-0.67	0.79
7,416.00	92.31	134.710	4,572.97	-601.56	900.83	1,062.23	1.02	0.78	-0.66
7,510.00	91.36	136.260	4,569.96	-668.55	966.70	1,156.17	1.93	-1.01	1.65
7,605.00	90.47	136.750	4,568.44	-737.45	1,032.08	1,251.13	1.07	-0.94	0.52
7,699.00	89.13	138.420	4,568.77	-806.85	1,095.47	1,345.03	2.28	-1.43	1.78
7,793.00	89.53	138.260	4,569.87	-877.07	1,157.95	1,438.86	0.46	0.43	-0.17
7,888.00	90.68	138.250	4,569.69	-947.95	1,221.20	1,533.71	1.21	1.21	-0.01
7,983.00	88.48	136.890	4,570.39	-1,018.06	1,285.29	1,628.61	2.72	-2.32	-1.43
8,077.00	88.17	136.130	4,573.14	-1,086.23	1,349.96	1,722.54	0.87	-0.33	-0.81
8,172.00	89.02	135.360	4,575.47	-1,154.25	1,416.23	1,817.50	1.21	0.89	-0.81
8,266.00	90.51	135.230	4,575.85	-1,221.06	1,482.36	1,911.49	1.59	1.59	-0.14
8,361.00	89.25	133.870	4,576.05	-1,287.70	1,550.05	2,006.49	1.95	-1.33	-1.43
8,455.00	89.88	134.330	4,576.77	-1,353.11	1,617.55	2,100.47	0.83	0.67	0.49
8,549.00	90.18	133.880	4,576.72	-1,418.53	1,685.05	2,194.46	0.58	0.32	-0.48
8,643.00	90.59	133.240	4,576.08	-1,483.31	1,753.17	2,288.42	0.81	0.44	-0.68
8,738.00	90.57	133.250	4,575.12	-1,548.39	1,822.36	2,383.37	0.02	-0.02	0.01
8,832.00	91.34	133.140	4,573.56	-1,612.72	1,890.88	2,477.31	0.83	0.82	-0.12
8,926.00	89.42	133.220	4,572.93	-1,677.04	1,959.42	2,571.26	2.04	-2.04	0.09
9,021.00	88.76	133.960	4,574.44	-1,742.54	2,028.22	2,666.21	1.04	-0.69	0.78
9,115.00	88.45	133.660	4,576.73	-1,807.59	2,096.04	2,760.16	0.46	-0.33	-0.32
9,210.00	90.12	134.060	4,577.92	-1,873.41	2,164.53	2,855.13	1.81	1.76	0.42
9,305.00	90.92	134.220	4,577.05	-1,939.56	2,232.70	2,950.12	0.86	0.84	0.17
9,399.00	91.09	133.900	4,575.40	-2,004.92	2,300.24	3,044.09	0.39	0.18	-0.34
9,493.00	92.43	133.550	4,572.52	-2,069.86	2,368.13	3,138.02	1.47	1.43	-0.37
9,588.00	90.78	134.140	4,569.86	-2,135.64	2,436.62	3,232.95	1.84	-1.74	0.62
9,682.00	90.12	134.440	4,569.12	-2,201.28	2,503.90	3,326.94	0.77	-0.70	0.32
9,777.00	89.71	134.280	4,569.26	-2,267.70	2,571.83	3,421.94	0.46	-0.43	-0.17
9,871.00	89.05	135.410	4,570.28	-2,333.98	2,638.47	3,515.93	1.39	-0.70	1.20
9,965.00	88.53	135.230	4,572.26	-2,400.81	2,704.55	3,609.91	0.59	-0.55	-0.19
10,059.00	91.01	134.540	4,572.64	-2,467.13	2,771.14	3,703.90	2.74	2.64	-0.73
10,153.00	91.91	134.510	4,570.24	-2,533.03	2,838.14	3,797.86	0.96	0.96	-0.03



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,248.00	91.73	134.290	4,567.23	-2,599.46	2,905.98	3,892.81	0.30	-0.19	-0.23
10,342.00	91.39	134.690	4,564.67	-2,665.31	2,973.01	3,986.77	0.56	-0.36	0.43
10,437.00	90.70	135.590	4,562.94	-2,732.64	3,040.01	4,081.75	1.19	-0.73	0.95
10,531.00	89.98	135.170	4,562.38	-2,799.54	3,106.03	4,175.75	0.89	-0.77	-0.45
10,625.00	90.31	136.410	4,562.14	-2,866.92	3,171.58	4,269.74	1.37	0.35	1.32
10,720.00	89.95	136.190	4,561.92	-2,935.60	3,237.21	4,364.71	0.44	-0.38	-0.23
10,814.00	89.80	136.750	4,562.13	-3,003.75	3,301.95	4,458.68	0.62	-0.16	0.60
10,908.00	88.86	137.000	4,563.23	-3,072.35	3,366.20	4,552.63	1.03	-1.00	0.27
11,003.00	90.43	136.500	4,563.82	-3,141.54	3,431.29	4,647.58	1.73	1.65	-0.53
11,097.00	91.58	136.020	4,562.17	-3,209.45	3,496.27	4,741.54	1.33	1.22	-0.51
11,191.00	92.54	134.970	4,558.79	-3,276.44	3,562.12	4,835.47	1.51	1.02	-1.12
11,285.00	93.66	134.990	4,553.71	-3,342.79	3,628.51	4,929.34	1.19	1.19	0.02
11,380.00	92.03	134.850	4,548.99	-3,409.78	3,695.70	5,024.22	1.72	-1.72	-0.15
11,474.00	89.04	134.030	4,548.11	-3,475.59	3,762.80	5,118.19	3.30	-3.18	-0.87
11,569.00	88.44	132.700	4,550.20	-3,540.80	3,831.84	5,213.13	1.54	-0.63	-1.40
11,663.00	89.48	131.740	4,551.91	-3,603.96	3,901.44	5,307.00	1.51	1.11	-1.02
11,757.00	89.16	132.380	4,553.02	-3,666.92	3,971.23	5,400.86	0.76	-0.34	0.68
11,852.00	90.17	132.770	4,553.58	-3,731.19	4,041.18	5,495.77	1.14	1.06	0.41
11,947.00	91.47	134.460	4,552.22	-3,796.71	4,109.95	5,590.73	2.24	1.37	1.78
12,042.00	91.33	135.840	4,549.90	-3,864.04	4,176.93	5,685.70	1.46	-0.15	1.45
12,136.00	91.45	136.380	4,547.62	-3,931.77	4,242.08	5,779.65	0.59	0.13	0.57
12,230.00	92.36	135.130	4,544.49	-3,999.07	4,307.63	5,873.59	1.64	0.97	-1.33
12,325.00	93.13	134.970	4,539.94	-4,066.22	4,374.67	5,968.48	0.83	0.81	-0.17
12,420.00	91.44	135.150	4,536.16	-4,133.41	4,441.71	6,063.40	1.79	-1.78	0.19
12,514.00	89.04	135.990	4,535.76	-4,200.53	4,507.51	6,157.39	2.71	-2.55	0.89
12,608.00	88.88	135.600	4,537.47	-4,267.90	4,573.04	6,251.37	0.45	-0.17	-0.41
12,703.00	90.37	135.020	4,538.09	-4,335.44	4,639.85	6,346.36	1.68	1.57	-0.61
12,798.00	89.65	135.290	4,538.07	-4,402.79	4,706.84	6,441.36	0.81	-0.76	0.28
12,892.00	88.85	135.290	4,539.30	-4,469.59	4,772.96	6,535.35	0.85	-0.85	0.00
12,986.00	90.94	134.940	4,539.48	-4,536.19	4,839.30	6,629.34	2.25	2.22	-0.37
13,081.00	89.74	135.530	4,538.91	-4,603.64	4,906.19	6,724.34	1.41	-1.26	0.62
13,175.00	89.88	136.690	4,539.22	-4,671.38	4,971.36	6,818.32	1.24	0.15	1.23
13,270.00	91.33	136.080	4,538.22	-4,740.15	5,036.88	6,913.29	1.66	1.53	-0.64
13,364.00	92.62	136.020	4,534.98	-4,807.78	5,102.08	7,007.21	1.37	1.37	-0.06
13,378.70	92.85	135.737	4,534.28	-4,818.32	5,112.31	7,021.89	2.49	1.58	-1.92
LTP @ 13378.70 MD 4534.28 TVD									
13,390.00	93.03	135.520	4,533.70	-4,826.39	5,120.20	7,033.18	2.49	1.58	-1.92
330 perp/Last survey @ 13390 MD 4533.70 TVD									
13,462.00	93.03	135.520	4,529.90	-4,877.69	5,170.57	7,105.08	0.00	0.00	0.00
Survey Proj. to 13462 MD 4529.89 TVD 180 FSL 815 FWL									



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	385.00	-0.92	1.07	MWD surveys
2,797.00	2,533.23	727.16	-611.66	9 5/8" Csg @ 2797 MD 2533.23 TVD
5,110.58	4,558.20	1,024.21	-728.40	FTP @ 5110.58 MD 4558.20 TVD
5,151.00	4,570.37	996.98	-701.15	330 perp @ 5151 MD 4570.37 TVD
13,378.70	4,534.28	-4,818.32	5,112.31	LTP @ 13378.70 MD 4534.28 TVD
13,390.00	4,533.70	-4,826.39	5,120.20	330 perp/Last survey @ 13390 MD 4533.70 TVD
13,462.00	4,529.90	-4,877.69	5,170.57	Survey Proj. to 13462 MD 4529.89 TVD 180 FSL 815 FWL

Checked By: _____ Approved By: _____ Date: _____



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

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 492 pad (494 & 495)		
Site Position:		Northing:	1,888,477.650 usft
From:	Lat/Long	Easting:	2,754,071.821 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.190010000
		Longitude:	-107.728343000
		Grid Convergence:	0.06 °

Well	Rodeo Unit #494H, Surf loc: 225 FNL 935 FWL Section 31-T23N-R08W		
Well Position	+N/-S	0.00 ft	Northing: 1,888,477.650 usft
	+E/-W	0.00 ft	Easting: 2,754,071.821 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	36.190010000
		Longitude:	-107.728343000
		Ground Level:	6,680.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/23/2022	8.65	62.69	49,151.17070022

Design	Surveys Original Hole				
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	135.033	

Survey Program	Date	11/11/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
385.00	2,749.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,823.00	13,390.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,462.00	13,462.00	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	1,888,477.650	2,754,071.821	36.190010000	-107.728343000	
385.00	0.42	130.480	385.00	-0.92	1.07	1,888,476.734	2,754,072.894	36.190007480	-107.728339366	
MWD surveys										
416.00	0.48	121.640	416.00	-1.06	1.27	1,888,476.592	2,754,073.091	36.190007089	-107.728338699	
506.00	0.56	130.250	505.99	-1.54	1.93	1,888,476.111	2,754,073.748	36.190005764	-107.728336475	
597.00	0.72	146.720	596.99	-2.31	2.58	1,888,475.345	2,754,074.401	36.190003659	-107.728334264	
689.00	2.16	321.760	688.97	-1.43	1.82	1,888,476.224	2,754,073.645	36.190006075	-107.728336824	
778.00	5.45	326.540	777.76	3.42	-1.55	1,888,481.069	2,754,070.276	36.190019394	-107.728348224	
867.00	8.72	327.500	866.07	12.64	-7.50	1,888,490.287	2,754,064.319	36.190044736	-107.728368378	
957.00	11.63	323.730	954.65	25.71	-16.54	1,888,503.358	2,754,055.285	36.190080669	-107.728398947	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,053.00	14.76	320.410	1,048.10	42.94	-30.06	1,888,520.588	2,754,041.763	36.190128042	-107.728444707
1,148.00	18.18	317.730	1,139.19	63.24	-47.74	1,888,540.886	2,754,024.077	36.190183857	-107.728504570
1,243.00	21.94	317.810	1,228.41	87.36	-69.64	1,888,565.011	2,754,002.182	36.190250195	-107.728578684
1,337.00	24.87	317.270	1,314.67	114.90	-94.85	1,888,592.548	2,753,976.970	36.190325917	-107.728664025
1,431.00	27.84	318.760	1,398.89	145.93	-122.74	1,888,623.580	2,753,949.082	36.190411246	-107.728758423
1,525.00	30.34	318.880	1,481.02	180.32	-152.83	1,888,657.975	2,753,918.995	36.190505822	-107.728860261
1,620.00	32.51	320.230	1,562.09	218.03	-184.94	1,888,695.677	2,753,886.881	36.190609489	-107.728968958
1,714.00	32.56	320.970	1,641.34	257.09	-217.03	1,888,734.741	2,753,854.793	36.190716898	-107.729077561
1,808.00	32.29	321.030	1,720.68	296.26	-248.75	1,888,773.911	2,753,823.074	36.190824595	-107.729184914
1,902.00	32.85	321.690	1,799.90	335.79	-280.34	1,888,813.437	2,753,791.478	36.190933270	-107.729291847
1,997.00	33.01	321.740	1,879.63	376.32	-312.34	1,888,853.974	2,753,759.482	36.191044722	-107.729400136
2,091.00	34.67	319.500	1,957.71	416.76	-345.56	1,888,894.414	2,753,726.259	36.191155912	-107.729512580
2,186.00	34.24	319.220	2,036.04	457.55	-380.57	1,888,935.198	2,753,691.254	36.191268054	-107.729631064
2,281.00	34.85	319.010	2,114.29	498.27	-415.83	1,888,975.924	2,753,655.994	36.191380037	-107.729750415
2,375.00	35.48	319.300	2,191.14	539.23	-451.23	1,889,016.879	2,753,620.588	36.191492647	-107.729870257
2,470.00	36.10	319.780	2,268.20	581.50	-487.28	1,889,059.151	2,753,584.538	36.191608878	-107.729992280
2,564.00	36.04	319.770	2,344.18	623.76	-523.03	1,889,101.407	2,753,548.797	36.191725065	-107.730113255
2,658.00	35.72	319.460	2,420.34	665.72	-558.72	1,889,143.371	2,753,513.102	36.191840450	-107.730234074
2,749.00	35.69	319.170	2,494.24	705.99	-593.34	1,889,183.644	2,753,478.480	36.191951183	-107.730351262
2,797.00	35.67	319.079	2,533.23	727.16	-611.66	1,889,204.813	2,753,460.159	36.192009390	-107.730413278
9 5/8" Csg @ 2797 MD 2533.23 TVD									
2,823.00	35.66	319.030	2,554.35	738.61	-621.60	1,889,216.263	2,753,450.225	36.192040874	-107.730446905
2,886.00	35.01	317.300	2,605.75	765.76	-645.89	1,889,243.411	2,753,425.927	36.192115523	-107.730529151
2,981.00	30.45	318.810	2,685.64	803.93	-680.25	1,889,281.575	2,753,391.575	36.192220462	-107.730645437
3,075.00	28.05	320.470	2,767.65	838.90	-710.01	1,889,316.552	2,753,361.817	36.192316633	-107.730746163
3,170.00	27.66	322.730	2,851.65	873.68	-737.58	1,889,351.328	2,753,334.246	36.192412249	-107.730839477
3,264.00	25.34	324.960	2,935.77	907.52	-762.34	1,889,385.166	2,753,309.480	36.192505277	-107.730923289
3,358.00	25.06	323.760	3,020.82	940.04	-785.66	1,889,417.692	2,753,286.162	36.192594697	-107.731002200
3,453.00	24.43	322.690	3,107.10	971.90	-809.46	1,889,449.545	2,753,262.360	36.192682269	-107.731082751
3,547.00	24.49	324.970	3,192.66	1,003.31	-832.43	1,889,480.960	2,753,239.394	36.192768636	-107.731160472
3,641.00	22.67	323.440	3,278.81	1,033.82	-854.40	1,889,511.467	2,753,217.418	36.192852505	-107.731234841
3,735.00	23.48	323.380	3,365.29	1,063.40	-876.37	1,889,541.048	2,753,195.457	36.192933830	-107.731309163
3,830.00	27.37	323.010	3,451.07	1,096.04	-900.80	1,889,573.693	2,753,171.020	36.193023579	-107.731391867
3,924.00	26.43	321.550	3,534.90	1,129.69	-926.81	1,889,607.336	2,753,145.010	36.193116075	-107.731479898
4,019.00	25.10	326.040	3,620.46	1,162.96	-951.22	1,889,640.611	2,753,120.603	36.193207555	-107.731562495
4,082.00	22.61	325.900	3,678.08	1,184.08	-965.48	1,889,661.725	2,753,106.347	36.193265600	-107.731610735
4,114.00	21.11	324.960	3,707.78	1,193.89	-972.23	1,889,671.538	2,753,099.590	36.193292575	-107.731633602
4,145.00	19.83	324.110	3,736.82	1,202.72	-978.52	1,889,680.368	2,753,093.302	36.193316852	-107.731654881
4,176.00	18.29	325.490	3,766.12	1,210.99	-984.36	1,889,688.637	2,753,087.463	36.193339584	-107.731674639
4,208.00	15.51	328.100	3,796.73	1,218.76	-989.47	1,889,696.409	2,753,082.356	36.193360948	-107.731691919
4,239.00	12.62	332.890	3,826.80	1,225.30	-993.20	1,889,702.944	2,753,078.622	36.193378910	-107.731704552
4,270.00	10.35	341.600	3,857.18	1,230.95	-995.62	1,889,708.601	2,753,076.199	36.193394460	-107.731712743
4,302.00	8.04	355.750	3,888.77	1,235.91	-996.70	1,889,713.562	2,753,075.126	36.193408091	-107.731716364
4,334.00	6.45	13.820	3,920.52	1,239.89	-996.43	1,889,717.540	2,753,075.389	36.193419017	-107.731715456
4,365.00	5.69	37.900	3,951.35	1,242.80	-995.07	1,889,720.444	2,753,076.749	36.193426991	-107.731710836
4,397.00	5.24	63.620	3,983.21	1,244.70	-992.79	1,889,722.345	2,753,079.033	36.193432207	-107.731703089
4,428.00	4.77	95.010	4,014.10	1,245.21	-990.24	1,889,722.862	2,753,081.586	36.193433619	-107.731694436
4,459.00	4.92	130.570	4,044.99	1,244.24	-987.94	1,889,721.884	2,753,083.880	36.193430927	-107.731686664
4,491.00	6.25	152.700	4,076.84	1,241.80	-986.10	1,889,719.444	2,753,085.722	36.193424217	-107.731680431
4,523.00	8.57	149.290	4,108.58	1,238.20	-984.08	1,889,715.845	2,753,087.739	36.193414327	-107.731673609
4,554.00	11.05	138.470	4,139.12	1,233.99	-980.93	1,889,711.634	2,753,090.889	36.193402750	-107.731662948
4,586.00	13.72	131.900	4,170.38	1,229.16	-976.08	1,889,706.803	2,753,095.748	36.193389464	-107.731646498
4,617.00	16.52	130.310	4,200.30	1,223.85	-969.98	1,889,701.496	2,753,101.846	36.193374867	-107.731625849
4,649.00	19.02	129.260	4,230.77	1,217.60	-962.47	1,889,695.252	2,753,109.354	36.193357692	-107.731600426
4,680.00	21.84	127.840	4,259.82	1,210.87	-954.00	1,889,688.516	2,753,117.821	36.193339164	-107.731571755



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,712.00	25.01	126.930	4,289.18	1,203.15	-943.89	1,889,680.798	2,753,127.931	36.193317934	-107.731537517
4,743.00	28.22	126.980	4,316.89	1,194.80	-932.80	1,889,672.450	2,753,139.027	36.193294968	-107.731499941
4,774.00	31.29	126.480	4,343.80	1,185.60	-920.46	1,889,663.253	2,753,151.358	36.193269667	-107.731458184
4,806.00	34.44	126.950	4,370.67	1,175.22	-906.55	1,889,652.870	2,753,165.275	36.193241105	-107.731411056
4,838.00	37.75	126.340	4,396.53	1,163.98	-891.42	1,889,641.623	2,753,180.401	36.193210164	-107.731359833
4,869.00	40.87	126.570	4,420.51	1,152.31	-875.63	1,889,629.954	2,753,196.194	36.193178063	-107.731306349
4,901.00	44.42	127.430	4,444.04	1,139.26	-858.32	1,889,616.906	2,753,213.501	36.193142168	-107.731247742
4,932.00	47.52	128.930	4,465.59	1,125.48	-840.81	1,889,603.125	2,753,231.013	36.193104260	-107.731188440
4,963.00	51.14	130.040	4,485.79	1,110.52	-822.67	1,889,588.172	2,753,249.153	36.193063130	-107.731127017
4,995.00	55.25	131.040	4,504.96	1,093.87	-803.21	1,889,571.518	2,753,268.615	36.193017323	-107.731061116
5,027.00	59.24	132.160	4,522.27	1,076.00	-783.09	1,889,553.650	2,753,288.731	36.192968180	-107.730993005
5,058.00	63.05	133.060	4,537.22	1,057.62	-763.12	1,889,535.270	2,753,308.707	36.192917629	-107.730925371
5,090.00	67.23	134.120	4,550.67	1,037.60	-742.09	1,889,515.252	2,753,329.729	36.192862577	-107.730854199
5,110.58	69.87	134.609	4,558.20	1,024.21	-728.40	1,889,501.860	2,753,343.420	36.192825748	-107.730807845
FTP @ 5110.58 MD 4558.20 TVD									
5,121.00	71.20	134.850	4,561.67	1,017.30	-721.42	1,889,494.946	2,753,350.400	36.192806734	-107.730784216
5,151.00	75.08	135.286	4,570.37	996.98	-701.15	1,889,474.624	2,753,370.672	36.192750848	-107.730715584
330 perp @ 5151 MD 4570.37 TVD									
5,152.00	75.21	135.300	4,570.63	996.29	-700.47	1,889,473.937	2,753,371.352	36.192748959	-107.730713282
5,184.00	79.83	135.820	4,577.54	973.99	-678.60	1,889,451.634	2,753,393.221	36.192687629	-107.730639247
5,215.00	84.41	136.360	4,581.79	951.87	-657.31	1,889,429.517	2,753,414.511	36.192626809	-107.730567173
5,246.00	89.23	137.440	4,583.51	929.28	-636.17	1,889,406.924	2,753,435.653	36.192564681	-107.730495604
5,341.00	92.12	137.950	4,582.39	859.03	-572.24	1,889,336.677	2,753,499.584	36.192371520	-107.730279191
5,435.00	91.58	137.220	4,579.36	789.67	-508.87	1,889,267.316	2,753,562.953	36.192180793	-107.730064681
5,529.00	91.08	135.170	4,577.17	721.85	-443.82	1,889,199.499	2,753,627.999	36.191994301	-107.729844482
5,623.00	89.13	134.560	4,577.00	655.54	-377.20	1,889,133.191	2,753,694.619	36.191811952	-107.729618942
5,717.00	90.03	134.250	4,577.69	589.77	-310.05	1,889,067.420	2,753,761.771	36.191631073	-107.729391601
5,812.00	88.91	134.460	4,578.57	523.36	-242.13	1,889,001.009	2,753,829.694	36.191448437	-107.729161650
5,907.00	89.26	134.650	4,580.09	456.72	-174.44	1,888,934.366	2,753,897.380	36.191265163	-107.728932505
6,001.00	90.50	134.790	4,580.28	390.58	-107.65	1,888,868.226	2,753,964.171	36.191083269	-107.728706394
6,095.00	89.20	134.250	4,580.53	324.67	-40.63	1,888,802.319	2,754,031.191	36.190902018	-107.728479503
6,190.00	90.22	134.350	4,581.01	258.32	27.36	1,888,735.971	2,754,099.180	36.190719552	-107.728249333
6,284.00	89.02	133.570	4,581.63	193.07	95.02	1,888,670.724	2,754,166.840	36.190540109	-107.728020274
6,378.00	90.94	132.990	4,581.67	128.63	163.45	1,888,606.284	2,754,235.270	36.190362882	-107.727788606
6,472.00	89.11	133.830	4,581.63	64.04	231.73	1,888,541.689	2,754,303.553	36.190185230	-107.727557436
6,566.00	90.00	133.970	4,582.36	-1.14	299.46	1,888,476.512	2,754,371.282	36.190005979	-107.727328146
6,661.00	89.22	135.260	4,583.00	-67.86	367.08	1,888,409.794	2,754,438.903	36.189822493	-107.727099229
6,756.00	89.62	134.690	4,583.96	-135.00	434.28	1,888,342.652	2,754,506.104	36.189637845	-107.726871740
6,850.00	91.95	134.920	4,582.68	-201.23	500.97	1,888,276.422	2,754,572.786	36.189455702	-107.726646003
6,944.00	89.07	135.230	4,581.84	-267.77	567.34	1,888,209.876	2,754,639.158	36.189272695	-107.726421324
7,039.00	89.71	135.290	4,582.85	-335.25	634.20	1,888,142.401	2,754,706.023	36.189087133	-107.726194976
7,134.00	91.22	134.940	4,582.08	-402.56	701.24	1,888,075.096	2,754,773.059	36.188902034	-107.725968050
7,228.00	92.21	134.590	4,579.27	-468.72	767.95	1,888,008.932	2,754,839.768	36.188720071	-107.725742228
7,322.00	91.58	135.330	4,576.16	-535.10	834.43	1,887,942.547	2,754,906.245	36.188537503	-107.725517194
7,416.00	92.31	134.710	4,572.97	-601.56	900.83	1,887,876.095	2,754,972.650	36.188354750	-107.725292404
7,510.00	91.36	136.260	4,569.96	-668.55	966.70	1,887,809.104	2,755,038.516	36.188170516	-107.725069445
7,605.00	90.47	136.750	4,568.44	-737.45	1,032.08	1,887,740.198	2,755,103.895	36.187981022	-107.724848148
7,699.00	89.13	138.420	4,568.77	-806.85	1,095.47	1,887,670.804	2,755,167.293	36.187790196	-107.724633563
7,793.00	89.53	138.260	4,569.87	-877.07	1,157.95	1,887,600.581	2,755,229.771	36.187597095	-107.724422101
7,888.00	90.68	138.250	4,569.69	-947.95	1,221.20	1,887,529.702	2,755,293.023	36.187402187	-107.724208022
7,983.00	88.48	136.890	4,570.39	-1,018.06	1,285.29	1,887,459.590	2,755,357.111	36.187209384	-107.723991106
8,077.00	88.17	136.130	4,573.14	-1,086.23	1,349.96	1,887,391.423	2,755,421.776	36.187021923	-107.723772228
8,172.00	89.02	135.360	4,575.47	-1,154.25	1,416.23	1,887,323.402	2,755,488.051	36.186834856	-107.723547895
8,266.00	90.51	135.230	4,575.85	-1,221.06	1,482.36	1,887,256.596	2,755,554.173	36.186651125	-107.723324075
8,361.00	89.25	133.870	4,576.05	-1,287.70	1,550.05	1,887,189.953	2,755,621.870	36.186467841	-107.723094918



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,455.00	89.88	134.330	4,576.77	-1,353.11	1,617.55	1,887,124.540	2,755,689.372	36.186287933	-107.722866423
8,549.00	90.18	133.880	4,576.72	-1,418.53	1,685.05	1,887,059.119	2,755,756.869	36.186108002	-107.722637940
8,643.00	90.59	133.240	4,576.08	-1,483.31	1,753.17	1,886,994.344	2,755,824.985	36.185929846	-107.722407363
8,738.00	90.57	133.250	4,575.12	-1,548.39	1,822.36	1,886,929.261	2,755,894.182	36.185750839	-107.722173122
8,832.00	91.34	133.140	4,573.56	-1,612.72	1,890.88	1,886,864.929	2,755,962.700	36.185573896	-107.721941180
8,926.00	89.42	133.220	4,572.93	-1,677.04	1,959.42	1,886,800.610	2,756,031.241	36.185396989	-107.721709163
9,021.00	88.76	133.960	4,574.44	-1,742.54	2,028.22	1,886,735.118	2,756,100.039	36.185216857	-107.721476279
9,115.00	88.45	133.660	4,576.73	-1,807.59	2,096.04	1,886,670.064	2,756,167.853	36.185037932	-107.721246730
9,210.00	90.12	134.060	4,577.92	-1,873.41	2,164.53	1,886,604.246	2,756,236.343	36.184856907	-107.721014893
9,305.00	90.92	134.220	4,577.05	-1,939.56	2,232.70	1,886,538.090	2,756,304.515	36.184674952	-107.720784136
9,399.00	91.09	133.900	4,575.40	-2,004.92	2,300.24	1,886,472.732	2,756,372.054	36.184495191	-107.720555523
9,493.00	92.43	133.550	4,572.52	-2,069.86	2,368.13	1,886,407.792	2,756,439.951	36.184316576	-107.720325697
9,588.00	90.78	134.140	4,569.86	-2,135.64	2,436.62	1,886,342.013	2,756,508.437	36.184135655	-107.720093879
9,682.00	90.12	134.440	4,569.12	-2,201.28	2,503.90	1,886,276.376	2,756,575.720	36.183955128	-107.719866135
9,777.00	89.71	134.280	4,569.26	-2,267.70	2,571.83	1,886,209.956	2,756,643.641	36.183772446	-107.719636236
9,871.00	89.05	135.410	4,570.28	-2,333.98	2,638.47	1,886,143.673	2,756,710.284	36.183590146	-107.719410670
9,965.00	88.53	135.230	4,572.26	-2,400.81	2,704.55	1,886,076.850	2,756,776.364	36.183406363	-107.719187011
10,059.00	91.01	134.540	4,572.64	-2,467.13	2,771.14	1,886,010.522	2,756,842.959	36.183223937	-107.718961607
10,153.00	91.91	134.510	4,570.24	-2,533.03	2,838.14	1,885,944.630	2,756,909.953	36.183042707	-107.718734852
10,248.00	91.73	134.290	4,567.23	-2,599.46	2,905.98	1,885,878.195	2,756,977.794	36.182859984	-107.718505231
10,342.00	91.39	134.690	4,564.67	-2,665.31	2,973.01	1,885,812.346	2,757,044.826	36.182678872	-107.718278349
10,437.00	90.70	135.590	4,562.94	-2,732.64	3,040.01	1,885,745.020	2,757,111.824	36.182493700	-107.718051587
10,531.00	89.98	135.170	4,562.38	-2,799.54	3,106.03	1,885,678.114	2,757,177.848	36.182309688	-107.717828126
10,625.00	90.31	136.410	4,562.14	-2,866.92	3,171.58	1,885,610.738	2,757,243.392	36.182124383	-107.717606297
10,720.00	89.95	136.190	4,561.92	-2,935.60	3,237.21	1,885,542.056	2,757,309.025	36.181935493	-107.717384169
10,814.00	89.80	136.750	4,562.13	-3,003.75	3,301.95	1,885,473.906	2,757,373.765	36.181748063	-107.717165066
10,908.00	88.86	137.000	4,563.23	-3,072.35	3,366.20	1,885,405.304	2,757,438.018	36.181559396	-107.716947619
11,003.00	90.43	136.500	4,563.82	-3,141.54	3,431.29	1,885,336.113	2,757,503.107	36.181369105	-107.716727342
11,097.00	91.58	136.020	4,562.17	-3,209.45	3,496.27	1,885,268.211	2,757,568.085	36.181182358	-107.716507433
11,191.00	92.54	134.970	4,558.79	-3,276.44	3,562.12	1,885,201.216	2,757,633.932	36.180998098	-107.716284581
11,285.00	93.66	134.990	4,553.71	-3,342.79	3,628.51	1,885,134.870	2,757,700.325	36.180815617	-107.716059877
11,380.00	92.03	134.850	4,548.99	-3,409.78	3,695.70	1,885,067.874	2,757,767.509	36.180631348	-107.715832496
11,474.00	89.04	134.030	4,548.11	-3,475.59	3,762.80	1,885,002.070	2,757,834.612	36.180450354	-107.715605384
11,569.00	88.44	132.700	4,550.20	-3,540.80	3,831.84	1,884,936.856	2,757,903.658	36.180270975	-107.715371689
11,663.00	89.48	131.740	4,551.91	-3,603.96	3,901.44	1,884,873.702	2,757,973.258	36.180097252	-107.715136107
11,757.00	89.16	132.380	4,553.02	-3,666.92	3,971.23	1,884,810.736	2,758,043.042	36.179924043	-107.714899902
11,852.00	90.17	132.770	4,553.58	-3,731.19	4,041.18	1,884,746.465	2,758,112.997	36.179747251	-107.714663125
11,947.00	91.47	134.460	4,552.22	-3,796.71	4,109.95	1,884,680.944	2,758,181.765	36.179567026	-107.714430376
12,042.00	91.33	135.840	4,549.90	-3,864.04	4,176.93	1,884,613.615	2,758,248.742	36.179381841	-107.714203704
12,136.00	91.45	136.380	4,547.62	-3,931.77	4,242.08	1,884,545.893	2,758,313.891	36.179195579	-107.713983231
12,230.00	92.36	135.130	4,544.49	-3,999.07	4,307.63	1,884,478.594	2,758,379.439	36.179010480	-107.713761404
12,325.00	93.13	134.970	4,539.94	-4,066.22	4,374.67	1,884,411.438	2,758,446.477	36.178825768	-107.713534526
12,420.00	91.44	135.150	4,536.16	-4,133.41	4,441.71	1,884,344.248	2,758,513.526	36.178640964	-107.713307615
12,514.00	89.04	135.990	4,535.76	-4,200.53	4,507.51	1,884,277.127	2,758,579.324	36.178456355	-107.713084945
12,608.00	88.88	135.600	4,537.47	-4,267.90	4,573.04	1,884,209.755	2,758,644.852	36.178271053	-107.712863189
12,703.00	90.37	135.020	4,538.09	-4,335.44	4,639.85	1,884,142.221	2,758,711.659	36.178085302	-107.712637102
12,798.00	89.65	135.290	4,538.07	-4,402.79	4,706.84	1,884,074.865	2,758,778.651	36.177900039	-107.712410387
12,892.00	88.85	135.290	4,539.30	-4,469.59	4,772.96	1,884,008.068	2,758,844.776	36.177716313	-107.712186611
12,986.00	90.94	134.940	4,539.48	-4,536.19	4,839.30	1,883,941.471	2,758,911.106	36.177533136	-107.711962138
13,081.00	89.74	135.530	4,538.91	-4,603.64	4,906.19	1,883,874.023	2,758,978.002	36.177347621	-107.711735753
13,175.00	89.88	136.690	4,539.22	-4,671.38	4,971.36	1,883,806.282	2,759,043.169	36.177161303	-107.711515231
13,270.00	91.33	136.080	4,538.22	-4,740.15	5,036.88	1,883,737.509	2,759,108.695	36.176972150	-107.711293496
13,364.00	92.62	136.020	4,534.98	-4,807.78	5,102.08	1,883,669.876	2,759,173.893	36.176786129	-107.711072867
13,378.70	92.85	135.737	4,534.28	-4,818.32	5,112.31	1,883,659.335	2,759,184.116	36.176757138	-107.711038275
LTP @ 13378.70 MD 4534.28 TVD									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Rodeo Unit #494H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Site:	Rodeo Unit 492 pad (494 & 495)	MD Reference:	RKB=6680+13 @ 6693.00ft (Ensign 145)
Well:	Rodeo Unit #494H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,390.00	93.03	135.520	4,533.70	-4,826.39	5,120.20	1,883,651.268	2,759,192.007	36.176734950	-107.711011570
330 perp/Last survey @ 13390 MD 4533.70 TVD									
13,462.00	93.03	135.520	4,529.90	-4,877.69	5,170.57	1,883,599.969	2,759,242.384	36.176593849	-107.710841093
Survey Proj. to 13462 MD 4529.89 TVD 180 FSL 815 FWL									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
385.00	385.00	-0.92	1.07	MWD surveys	
2,797.00	2,533.23	727.16	-611.66	9 5/8" Csg @ 2797 MD 2533.23 TVD	
5,110.58	4,558.20	1,024.21	-728.40	FTP @ 5110.58 MD 4558.20 TVD	
5,151.00	4,570.37	996.98	-701.15	330 perp @ 5151 MD 4570.37 TVD	
13,378.70	4,534.28	-4,818.32	5,112.31	LTP @ 13378.70 MD 4534.28 TVD	
13,390.00	4,533.70	-4,826.39	5,120.20	330 perp/Last survey @ 13390 MD 4533.70 TVD	
13,462.00	4,529.90	-4,877.69	5,170.57	Survey Proj. to 13462 MD 4529.89 TVD 180 FSL 815 FWL	

Checked By: _____ Approved By: _____ Date: _____

This document will be submitted with the completion package after the well has been completed.

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 163275

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 163275
	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.

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District IV
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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

COMMENTS

Action 163275

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 163275
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

COMMENTS

Created By	Comment	Comment Date
llowe	CONFIDENTIAL STATUS	1/12/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 163275

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 163275
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	Confidential RT expires on 03/30/23	1/12/2023