

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Enduring Resources IV LLC. 200 Energy Court Farmington NM 87401		² OGRID Number 372286	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-045-35844	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 332891	⁸ Property Name GREATER LYBROOK UNIT		⁹ Well Number #861H

II. ¹⁰ Surface Location

UL or lot no. C	Section 27	Township 23N	Range 9W	Lot Idn	Feet from the 1121'	North/South Line North	Feet from the 2446'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. A	Section 21	Township 23N	Range 9W	Lot Idn	Feet from the 175'	North/South line North	Feet from the 1190'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 8/4/2022		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 2/1/2022	²² Ready Date 8/4/2022	²³ TD 11406' MD 4165' TVD	²⁴ PBDT 11310.7' MD 4164' TVD	²⁵ Perforations ~ 4800' - 11297' MD ~ 4100'-4164' 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		359.31' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2632' MD		604 sx- surface
8-1/2"		5-1/2",17#, P-110		11406' MD		1924 sx- surface
8-1/2"		2-7/8", 6.5#, L-80		4681' MD		NA

V. Well Test Data

³¹ Date New Oil 8/8/22	³² Gas Delivery Date 8/4/22	³³ Test Date 8/4/22	³⁴ Test Length 24	³⁵ Tbg. Pressure 223	³⁶ Csg. Pressure 1141
³⁷ Choke Size 64/64	³⁸ Oil 89	³⁹ Water 120	⁴⁰ Gas 506		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Kayla White</i> Printed name: Kayla White Title: Environmental Engineer E-mail Address: kwhite@cdhconsult.com Date: 9/2/2022	Phone: 720-768-3575	OIL CONSERVATION DIVISION	
		Approved by: <i>PATRICIA MARTINEZ</i>	
		Title: <i>PETROLEUM SPECIALIST</i>	
		Approval Date: <i>10/26/2023</i>	



ENDURING RESOURCES IV LLC

May 19, 2022

Re: W LYBROOK UNIT 861H-30-045-35844

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, appearing to read "Heather Huntington".

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

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

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

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

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Appropriate District Office

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35844	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 861H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

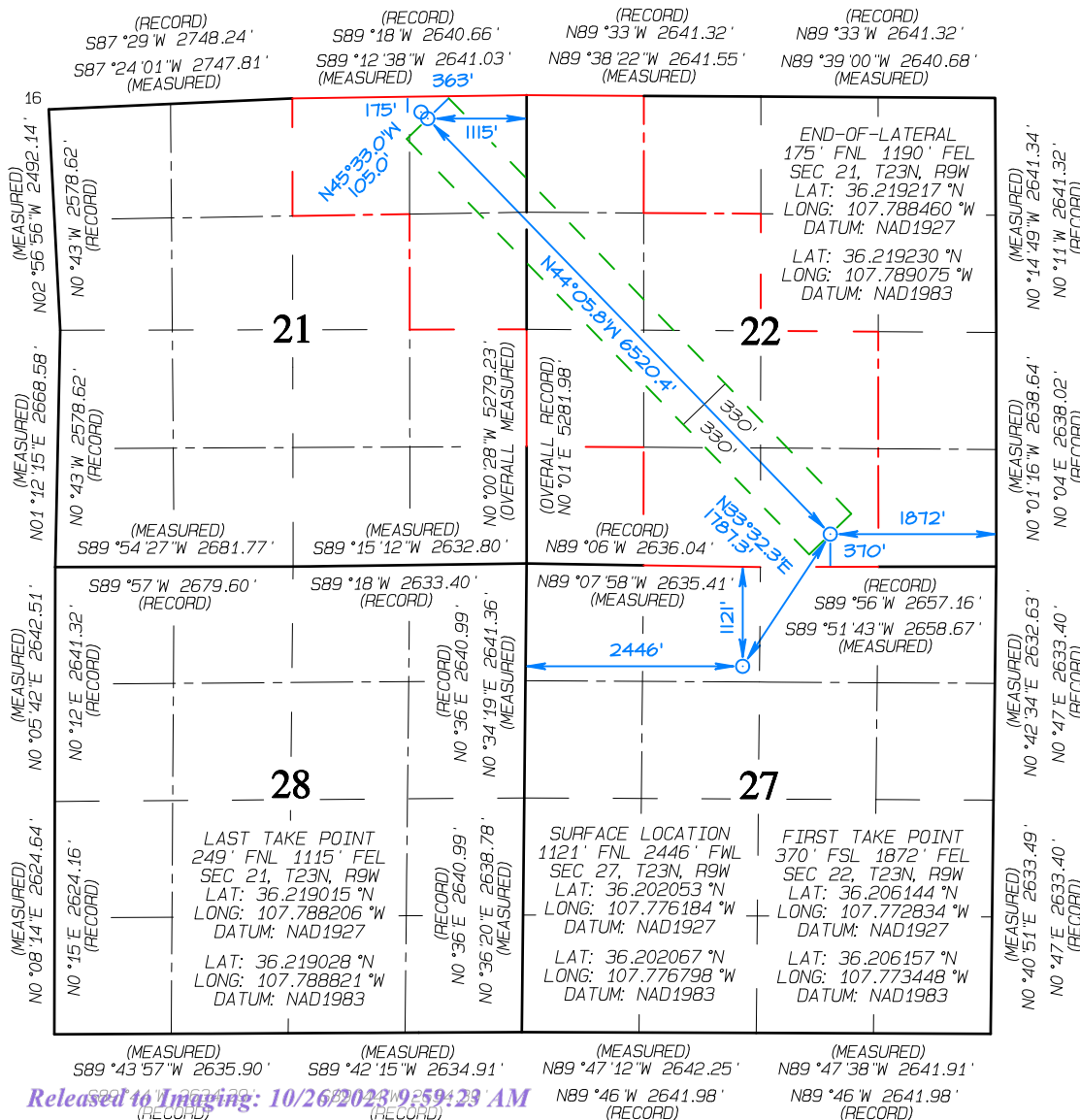
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	23N	9W		1121	NORTH	2446	WEST	SAN JUAN

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
A	21	23N	9W		175	NORTH	1190	EAST	SAN JUAN

¹² Dedicated Acres **440.00**
NW/4 NW/4, S/2 NW/4, N/2 SW/4
SE/4 SW/4, W/2 SE/4 - Section 22
E/2 NE/4, NW/4 NE/4 - Section 21

¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No.
R-22081
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.

Heather Huntington **8/16/22**
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: MAY 6, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

District II
811 S. First Street, Artesia, NM 88210
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⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 861H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

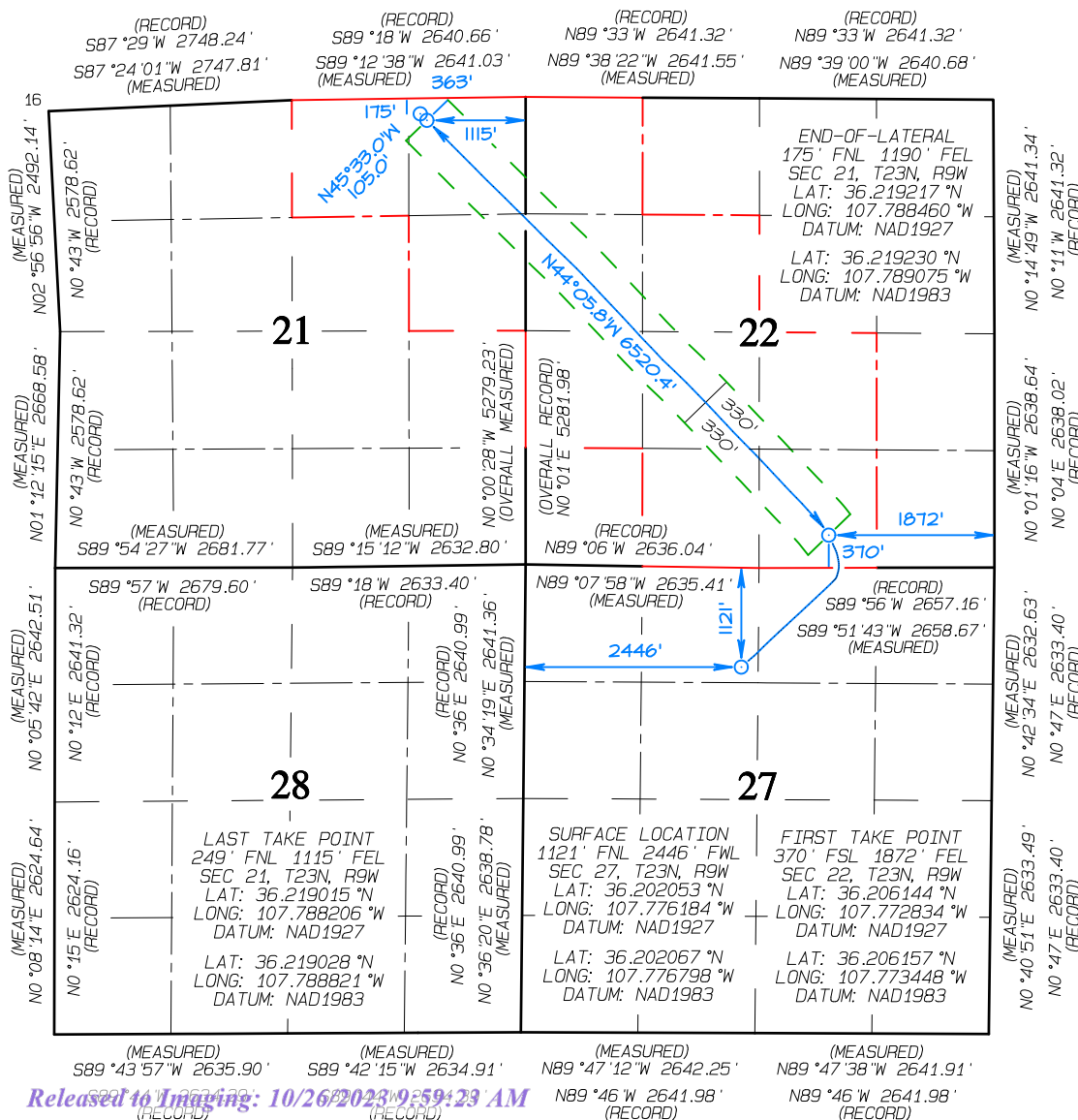
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SE/4 SW/4, W/2 SE/4 - Section 22
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Signature: Heather Huntington Date: 8/16/22
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresources.com

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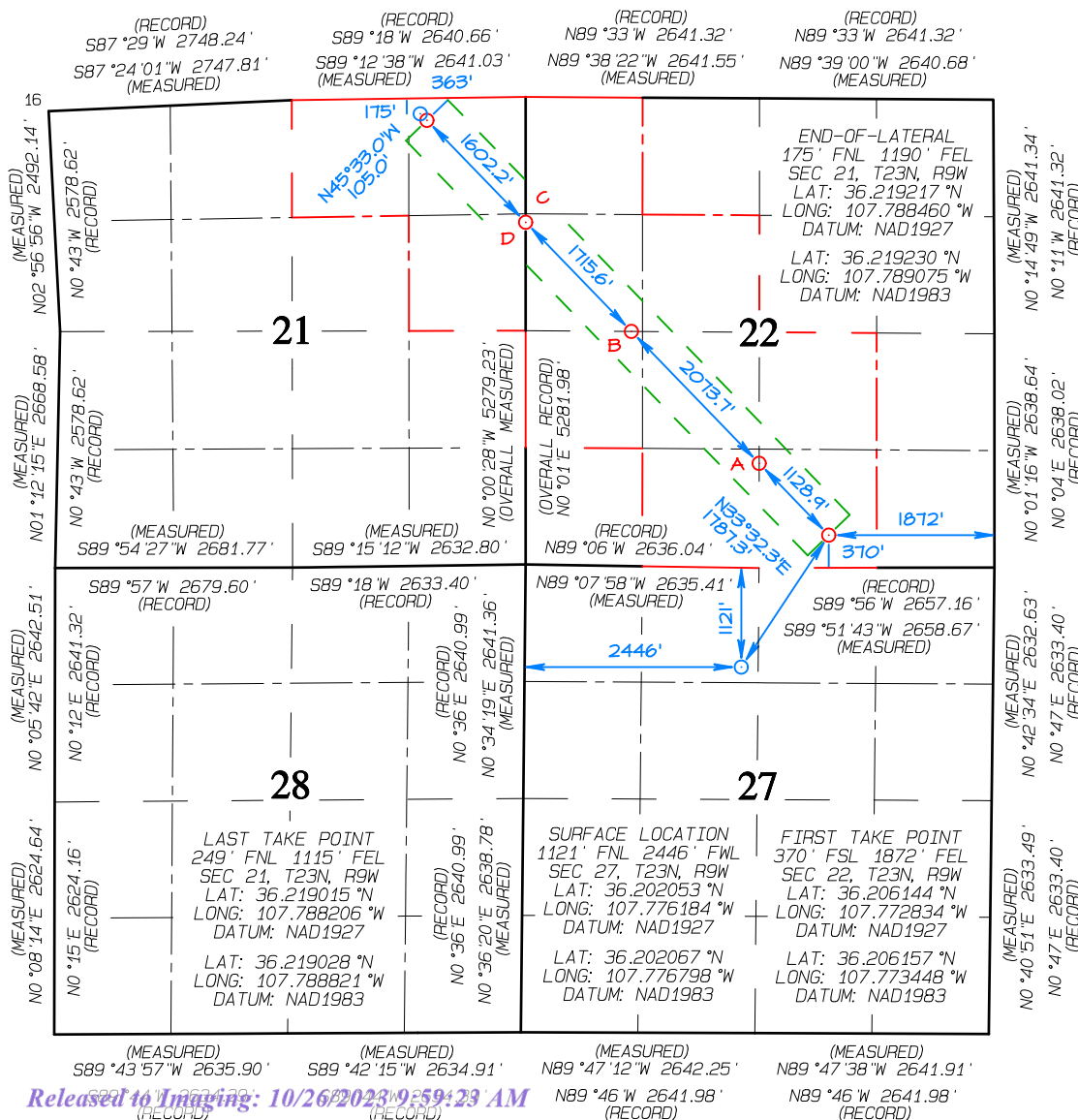
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Heather Huntington 8/16/22
Signature Date
Heather Huntington
Printed Name
hhuntington@enduringresources.com
E-mail Address

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Date Revised: MAY 6, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

(A) 1182' FSL 2637' FWL
SEC 22, T23N, R9W
LAT: 36.208373 °N
LONG: 107.775495 °W
DATUM: NAD1927

LAT: 36.208386 °N
LONG: 107.776109 °W
DATUM: NAD1983

(B) 2650' FSL 1194' FWL
SEC 22, T23N, R9W
LAT: 36.212466 °N
LONG: 107.780384 °W
DATUM: NAD1927

LAT: 36.212479 °N
LONG: 107.780998 °W
DATUM: NAD1983

(C) 1415' FNL 0' FWL
SEC 22, T23N, R9W
LAT: 36.215853 °N
LONG: 107.784429 °W
DATUM: NAD1927

LAT: 36.215866 °N
LONG: 107.785043 °W
DATUM: NAD1983

(D) 1415' FNL 0' FEL
SEC 21, T23N, R9W
LAT: 36.215853 °N
LONG: 107.784429 °W
DATUM: NAD1927

LAT: 36.215866 °N
LONG: 107.785043 °W
DATUM: NAD1983



Company: Enduring Resources LLC
Well: W Lybrook Unit No. 861H
Site: W Lybrook 730 Pad (730, 763, 830, 861 & 863)
Project: San Juan County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig: Ensign 773

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
401.00	0.70	221.700	400.99	-1.83	-1.63	-0.17	MWD surveys
2622.00	36.10	47.414	2457.21	416.63	448.00	-15.26	9 5/8" Casing @ 2622 MD 2457.21 TVD
4779.47	69.83	331.932	4091.00	1489.61	987.38	374.92	FTP Cms top @ 4779.47 MD 4091.00 TVD
11292.00	89.80	314.450	4164.41	6159.03	-3536.47	6876.29	Survey @ 11292.00 MD 4164.41 TVD
11311.00	89.80	314.450	4164.47	6172.33	-3550.04	6895.28	LTP @ 11311.00 MD 4164.47 TVD
11335.00	89.80	314.450	4164.56	6189.14	-3567.17	6919.28	330 perp @ 11335 MD 4164.56 TVD
11416.00	89.80	314.450	4164.84	6245.86	-3624.99	7000.26	Survey Proj. to 11416.00 MD 4164.84 TVD 175 FNL 1190 FEL

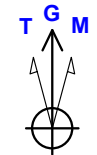
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6641+28 @ 6669.00ft (Ensign 773)

Northing 1892854.735 Easting 2739771.341 Latitude 36.202067000 Longitude -107.776798000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.70°

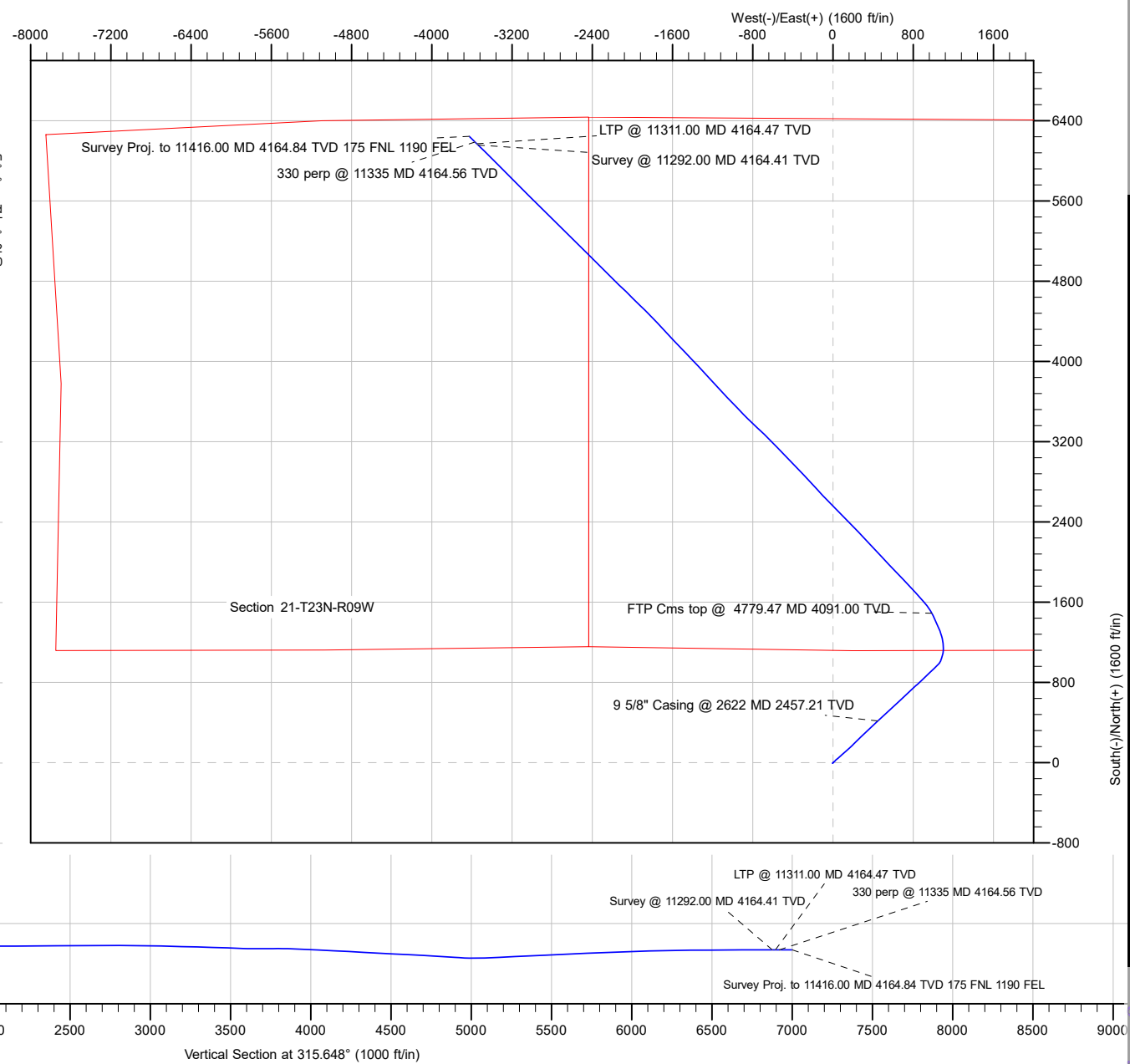
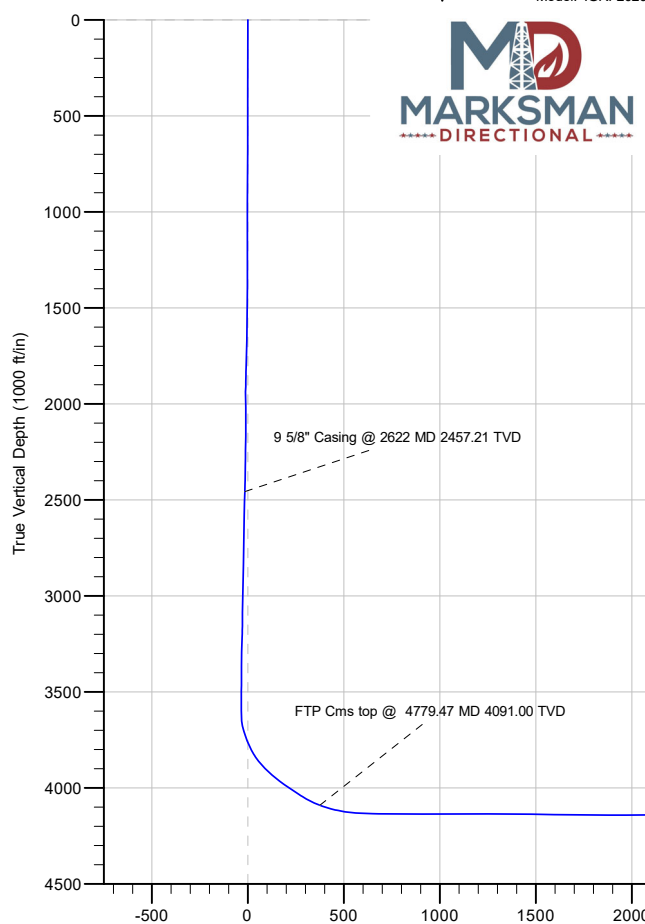
CASING DETAILS

TVD	MD	Name
2457.21	2622.00	9 5/8"



Azimuths to Grid North
True North: -0.03°
Magnetic North: 8.70°

Magnetic Field
Strength: 49216.1nT
Dip Angle: 62.71°
Date: 3/8/2022
Model: IGRF2020



Vertical Section at 315.648° (1000 ft/in)



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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	W Lybrook 730 Pad (730, 763, 830, 861 & 863)		
Site Position:		Northing:	1,888,164.052 usft
From:	Lat/Long	Easting:	2,741,098.391 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.189179000
		Longitude:	-107.772310000

Well	W Lybrook Unit No. 861H, Surf loc: 1121 FNL 2446 FWL Section 27-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,892,854.735 usft
	+E/-W	0.00 ft	Easting: 2,739,771.341 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	0.03 °	Ground Level:	6,641.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/8/2022	8.74	62.71	49,216.13835436

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	315.648	

Survey Program	Date	4/20/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
401.00	2,576.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,682.00	11,292.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,416.00	11,416.00	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	
401.00	0.70	221.700	400.99	-1.83	-1.63	-0.17	0.17	0.17	0.00	
MWD surveys										
493.00	0.66	209.390	492.98	-2.71	-2.26	-0.36	0.16	-0.04	-13.38	
584.00	0.62	202.190	583.98	-3.62	-2.71	-0.70	0.10	-0.04	-7.91	
675.00	0.48	230.140	674.97	-4.32	-3.19	-0.86	0.33	-0.15	30.71	
766.00	0.57	222.140	765.97	-4.90	-3.78	-0.86	0.13	0.10	-8.79	
857.00	0.44	206.320	856.97	-5.55	-4.24	-1.01	0.21	-0.14	-17.38	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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)
948.00	0.57	191.110	947.96	-6.31	-4.48	-1.38	0.20	0.14	-16.71
1,039.00	1.23	54.790	1,038.96	-6.19	-3.77	-1.79	1.86	0.73	-149.80
1,132.00	3.30	45.210	1,131.88	-3.73	-1.06	-1.93	2.26	2.23	-10.30
1,226.00	5.80	43.980	1,225.58	1.60	4.16	-1.77	2.66	2.66	-1.31
1,320.00	8.79	43.630	1,318.80	10.21	12.42	-1.38	3.18	3.18	-0.37
1,414.00	12.61	46.880	1,411.15	22.43	24.87	-1.35	4.11	4.06	3.46
1,508.00	15.21	49.260	1,502.39	37.49	41.70	-2.34	2.83	2.77	2.53
1,603.00	17.71	49.080	1,593.49	55.10	62.07	-3.99	2.63	2.63	-0.19
1,697.00	20.65	47.680	1,682.26	75.62	85.13	-5.44	3.17	3.13	-1.49
1,791.00	24.43	49.430	1,769.07	99.43	112.16	-7.31	4.08	4.02	1.86
1,886.00	27.51	48.820	1,854.46	126.66	143.61	-9.82	3.25	3.24	-0.64
1,981.00	29.49	46.090	1,937.95	157.33	176.97	-11.21	2.49	2.08	-2.87
2,075.00	33.40	44.690	2,018.13	191.78	211.85	-10.96	4.23	4.16	-1.49
2,170.00	37.13	45.480	2,095.69	230.49	250.70	-10.44	3.96	3.93	0.83
2,264.00	37.79	46.270	2,170.30	270.29	291.74	-10.67	0.87	0.70	0.84
2,358.00	37.30	46.620	2,244.83	309.76	333.25	-11.46	0.57	-0.52	0.37
2,453.00	35.95	46.800	2,321.07	348.62	374.50	-12.51	1.43	-1.42	0.19
2,548.00	36.56	47.410	2,397.68	386.86	415.66	-13.94	0.75	0.64	0.64
2,576.00	36.61	47.320	2,420.16	398.17	427.94	-14.44	0.26	0.18	-0.32
2,622.00	36.10	47.414	2,457.21	416.63	448.00	-15.26	1.12	-1.11	0.20
9 5/8" Casing @ 2622 MD 2457.21 TVD									
2,682.00	35.43	47.540	2,505.89	440.34	473.84	-16.38	1.12	-1.11	0.21
2,776.00	34.75	47.270	2,582.81	476.91	513.62	-18.04	0.74	-0.72	-0.29
2,872.00	34.22	46.670	2,661.94	514.00	553.35	-19.29	0.66	-0.55	-0.63
2,986.00	36.14	47.600	2,755.11	558.66	601.50	-21.01	1.75	1.68	0.82
3,080.00	35.49	47.190	2,831.34	595.90	641.99	-22.69	0.74	-0.69	-0.44
3,174.00	34.37	46.740	2,908.40	632.63	681.33	-23.93	1.22	-1.19	-0.48
3,269.00	36.43	47.640	2,985.84	670.01	721.71	-25.42	2.24	2.17	0.95
3,363.00	35.77	46.930	3,061.79	707.58	762.40	-27.00	0.83	-0.70	-0.76
3,457.00	33.68	45.920	3,139.04	744.48	801.20	-27.74	2.31	-2.22	-1.07
3,552.00	37.36	48.200	3,216.36	782.03	841.62	-29.15	4.12	3.87	2.40
3,646.00	36.89	46.900	3,291.30	820.32	883.49	-31.04	0.97	-0.50	-1.38
3,740.00	36.86	46.350	3,366.50	859.06	924.49	-32.00	0.35	-0.03	-0.59
3,834.00	36.18	46.250	3,442.04	897.70	964.93	-32.64	0.73	-0.72	-0.11
3,929.00	33.99	46.160	3,519.78	935.49	1,004.34	-33.17	2.31	-2.31	-0.09
3,991.00	32.36	45.450	3,571.67	959.14	1,028.67	-33.27	2.70	-2.63	-1.15
4,023.00	32.77	45.490	3,598.64	971.21	1,040.95	-33.21	1.28	1.28	0.13
4,054.00	31.05	43.620	3,624.95	982.89	1,052.45	-32.91	6.40	-5.55	-6.03
4,086.00	30.88	35.580	3,652.40	995.54	1,062.92	-31.18	12.93	-0.53	-25.13
4,117.00	31.99	26.540	3,678.87	1,009.37	1,071.22	-27.10	15.61	3.58	-29.16
4,149.00	33.94	18.470	3,705.73	1,025.43	1,077.85	-20.24	15.00	6.09	-25.22
4,180.00	37.61	16.900	3,730.88	1,042.70	1,083.34	-11.73	12.20	11.84	-5.06
4,212.00	38.99	17.280	3,755.99	1,061.66	1,089.17	-2.25	4.37	4.31	1.19
4,243.00	39.87	14.220	3,779.93	1,080.60	1,094.51	7.56	6.88	2.84	-9.87



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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)
4,275.00	41.08	9.140	3,804.28	1,100.93	1,098.70	19.17	10.97	3.78	-15.88
4,306.00	43.09	3.690	3,827.30	1,121.56	1,101.00	32.31	13.44	6.48	-17.58
4,338.00	45.58	359.140	3,850.19	1,143.91	1,101.53	47.92	12.62	7.78	-14.22
4,369.00	47.91	356.220	3,871.43	1,166.46	1,100.61	64.69	10.17	7.52	-9.42
4,401.00	50.08	353.190	3,892.43	1,190.50	1,098.37	83.44	9.85	6.78	-9.47
4,432.00	52.00	350.120	3,911.92	1,214.34	1,094.86	102.94	9.88	6.19	-9.90
4,464.00	53.22	347.330	3,931.36	1,239.27	1,089.89	124.25	7.91	3.81	-8.72
4,494.00	54.41	344.390	3,949.07	1,262.74	1,083.97	145.17	8.85	3.97	-9.80
4,526.00	56.03	341.620	3,967.33	1,287.87	1,076.28	168.51	8.73	5.06	-8.66
4,557.00	57.76	338.450	3,984.26	1,312.27	1,067.41	192.16	10.22	5.58	-10.23
4,589.00	58.54	336.590	4,001.15	1,337.38	1,057.02	217.38	5.51	2.44	-5.81
4,621.00	57.83	336.010	4,018.02	1,362.28	1,046.09	242.83	2.70	-2.22	-1.81
4,652.00	57.74	335.870	4,034.54	1,386.23	1,035.39	267.43	0.48	-0.29	-0.45
4,684.00	60.40	335.540	4,050.99	1,411.25	1,024.10	293.21	8.36	8.31	-1.03
4,715.00	63.41	335.600	4,065.59	1,436.14	1,012.79	318.92	9.71	9.71	0.19
4,747.00	66.91	335.440	4,079.03	1,462.57	1,000.76	346.23	10.95	10.94	-0.50
4,778.00	69.69	332.100	4,090.49	1,488.39	988.03	373.59	13.44	8.97	-10.77
4,779.47	69.83	331.932	4,091.00	1,489.61	987.38	374.92	14.38	9.55	-11.45
FTP Cms top @ 4779.47 MD 4091.00 TVD									
4,810.00	72.78	328.500	4,100.79	1,514.70	973.01	402.90	14.38	9.66	-11.24
4,842.00	75.32	325.380	4,109.58	1,540.48	956.23	433.07	12.28	7.94	-9.75
4,873.00	77.76	322.510	4,116.80	1,564.84	938.48	462.90	11.96	7.87	-9.26
4,904.00	79.98	320.640	4,122.78	1,588.67	919.58	493.15	9.29	7.16	-6.03
4,936.00	82.66	318.820	4,127.61	1,612.80	899.13	524.70	10.09	8.38	-5.69
4,967.00	85.44	317.810	4,130.83	1,635.82	878.63	555.49	9.54	8.97	-3.26
4,998.00	87.97	317.410	4,132.61	1,658.68	857.77	586.42	8.26	8.16	-1.29
5,061.00	88.25	316.780	4,134.69	1,704.80	814.90	649.37	1.09	0.44	-1.00
5,156.00	90.05	317.830	4,136.09	1,774.61	750.49	744.31	2.19	1.89	1.11
5,250.00	89.70	316.810	4,136.30	1,843.72	686.77	838.27	1.15	-0.37	-1.09
5,344.00	89.25	315.080	4,137.16	1,911.27	621.41	932.26	1.90	-0.48	-1.84
5,438.00	91.14	316.840	4,136.84	1,978.83	556.07	1,026.25	2.75	2.01	1.87
5,533.00	90.27	316.830	4,135.67	2,048.12	491.09	1,121.22	0.92	-0.92	-0.01
5,628.00	89.64	316.480	4,135.75	2,117.20	425.88	1,216.21	0.76	-0.66	-0.37
5,722.00	89.25	317.000	4,136.66	2,185.66	361.47	1,310.18	0.69	-0.41	0.55
5,817.00	89.40	316.900	4,137.78	2,255.07	296.62	1,405.15	0.19	0.16	-0.11
5,911.00	89.60	316.270	4,138.60	2,323.35	232.02	1,499.14	0.70	0.21	-0.67
6,006.00	89.51	316.070	4,139.33	2,391.88	166.23	1,594.13	0.23	-0.09	-0.21
6,101.00	89.47	315.580	4,140.18	2,460.01	100.03	1,689.12	0.52	-0.04	-0.52
6,196.00	89.45	315.510	4,141.08	2,527.82	33.50	1,784.12	0.08	-0.02	-0.07
6,290.00	89.29	315.060	4,142.11	2,594.62	-32.63	1,878.11	0.51	-0.17	-0.48
6,384.00	90.47	317.210	4,142.31	2,662.38	-97.76	1,972.10	2.61	1.26	2.29
6,479.00	90.31	317.140	4,141.66	2,732.06	-162.34	2,067.07	0.18	-0.17	-0.07
6,573.00	90.23	316.880	4,141.22	2,800.81	-226.43	2,161.04	0.29	-0.09	-0.28



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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)	
6,668.00	90.37	316.730	4,140.72	2,870.07	-291.46	2,256.02	0.22	0.15	-0.16	
6,762.00	90.50	316.470	4,140.01	2,938.37	-356.04	2,350.00	0.31	0.14	-0.28	
6,856.00	90.55	316.080	4,139.14	3,006.30	-421.01	2,443.99	0.42	0.05	-0.41	
6,951.00	90.43	315.700	4,138.33	3,074.50	-487.13	2,538.99	0.42	-0.13	-0.40	
7,045.00	90.33	315.760	4,137.71	3,141.81	-552.75	2,632.98	0.12	-0.11	0.06	
7,140.00	89.99	315.020	4,137.44	3,209.44	-619.46	2,727.98	0.86	-0.36	-0.78	
7,234.00	89.56	314.180	4,137.81	3,275.44	-686.39	2,821.97	1.00	-0.46	-0.89	
7,328.00	89.17	313.550	4,138.85	3,340.58	-754.16	2,915.91	0.79	-0.41	-0.67	
7,422.00	88.68	313.100	4,140.62	3,405.06	-822.53	3,009.82	0.71	-0.52	-0.48	
7,516.00	88.45	316.060	4,142.97	3,471.01	-889.45	3,103.76	3.16	-0.24	3.15	
7,611.00	89.14	316.620	4,144.97	3,539.72	-955.02	3,198.73	0.94	0.73	0.59	
7,705.00	88.51	316.380	4,146.90	3,607.89	-1,019.72	3,292.70	0.72	-0.67	-0.26	
7,799.00	88.27	315.740	4,149.54	3,675.55	-1,084.92	3,386.66	0.73	-0.26	-0.68	
7,894.00	87.97	317.790	4,152.66	3,744.72	-1,149.95	3,481.59	2.18	-0.32	2.16	
7,988.00	87.62	317.710	4,156.27	3,814.25	-1,213.11	3,575.46	0.38	-0.37	-0.09	
8,082.00	90.29	316.890	4,157.99	3,883.32	-1,276.84	3,669.39	2.97	2.84	-0.87	
8,177.00	90.76	316.520	4,157.12	3,952.46	-1,341.98	3,764.37	0.63	0.49	-0.39	
8,271.00	88.35	316.810	4,157.85	4,020.82	-1,406.48	3,858.35	2.58	-2.56	0.31	
8,365.00	87.66	316.590	4,161.12	4,089.19	-1,470.91	3,952.27	0.77	-0.73	-0.23	
8,460.00	87.18	316.530	4,165.39	4,158.10	-1,536.17	4,047.16	0.51	-0.51	-0.06	
8,555.00	87.13	316.890	4,170.11	4,227.16	-1,601.23	4,142.03	0.38	-0.05	0.38	
8,649.00	87.03	316.540	4,174.90	4,295.50	-1,665.59	4,235.89	0.39	-0.11	-0.37	
8,744.00	86.72	316.400	4,180.08	4,364.28	-1,730.92	4,330.74	0.36	-0.33	-0.15	
8,838.00	86.74	316.500	4,185.44	4,432.29	-1,795.58	4,424.58	0.11	0.02	0.11	
8,933.00	87.43	314.880	4,190.27	4,500.18	-1,861.86	4,519.45	1.85	0.73	-1.71	
9,027.00	87.07	314.410	4,194.78	4,566.16	-1,928.66	4,613.33	0.63	-0.38	-0.50	
9,121.00	86.91	314.180	4,199.72	4,631.72	-1,995.85	4,707.17	0.30	-0.17	-0.24	
9,216.00	86.44	314.160	4,205.23	4,697.80	-2,063.87	4,801.98	0.50	-0.49	-0.02	
9,310.00	85.82	313.920	4,211.57	4,762.99	-2,131.29	4,895.73	0.71	-0.66	-0.26	
9,404.00	88.26	314.640	4,216.42	4,828.53	-2,198.49	4,989.57	2.71	2.60	0.77	
9,499.00	92.35	315.250	4,215.92	4,895.62	-2,265.72	5,084.54	4.35	4.31	0.64	
9,593.00	93.05	315.040	4,211.49	4,962.19	-2,331.94	5,178.43	0.78	0.74	-0.22	
9,687.00	92.89	314.920	4,206.62	5,028.54	-2,398.34	5,272.30	0.21	-0.17	-0.13	
9,782.00	92.42	314.450	4,202.22	5,095.27	-2,465.81	5,367.18	0.70	-0.49	-0.49	
9,876.00	92.33	314.760	4,198.32	5,161.23	-2,532.68	5,461.09	0.34	-0.10	0.33	
9,970.00	92.52	314.650	4,194.35	5,227.29	-2,599.43	5,554.99	0.23	0.20	-0.12	
10,064.00	92.80	314.600	4,189.98	5,293.25	-2,666.26	5,648.87	0.30	0.30	-0.05	
10,158.00	92.66	314.640	4,185.51	5,359.20	-2,733.09	5,742.75	0.15	-0.15	0.04	
10,253.00	92.75	314.250	4,181.02	5,425.65	-2,800.84	5,837.63	0.42	0.09	-0.41	
10,348.00	92.78	314.180	4,176.44	5,491.82	-2,868.85	5,932.48	0.08	0.03	-0.07	
10,443.00	91.10	315.290	4,173.23	5,558.64	-2,936.29	6,027.41	2.12	-1.77	1.17	
10,537.00	91.05	315.610	4,171.46	5,625.62	-3,002.22	6,121.40	0.34	-0.05	0.34	
10,632.00	90.72	315.090	4,169.99	5,693.20	-3,068.98	6,216.38	0.65	-0.35	-0.55	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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)
10,725.00	90.90	315.100	4,168.68	5,759.06	-3,134.62	6,309.37	0.19	0.19	0.01
10,820.00	90.68	314.890	4,167.37	5,826.22	-3,201.80	6,404.35	0.32	-0.23	-0.22
10,914.00	90.67	315.070	4,166.26	5,892.66	-3,268.29	6,498.34	0.19	-0.01	0.19
11,009.00	90.74	314.910	4,165.09	5,959.82	-3,335.47	6,593.33	0.18	0.07	-0.17
11,103.00	90.23	314.940	4,164.30	6,026.20	-3,402.02	6,687.32	0.54	-0.54	0.03
11,197.00	89.92	314.610	4,164.17	6,092.40	-3,468.75	6,781.31	0.48	-0.33	-0.35
11,292.00	89.80	314.450	4,164.41	6,159.03	-3,536.47	6,876.29	0.21	-0.13	-0.17
Survey @ 11292.00 MD 4164.41 TVD									
11,311.00	89.80	314.450	4,164.47	6,172.33	-3,550.04	6,895.28	0.00	0.00	0.00
LTP @ 11311.00 MD 4164.47 TVD									
11,335.00	89.80	314.450	4,164.56	6,189.14	-3,567.17	6,919.28	0.00	0.00	0.00
330 perp @ 11335 MD 4164.56 TVD									
11,416.00	89.80	314.450	4,164.84	6,245.86	-3,624.99	7,000.26	0.00	0.00	0.00
Survey Proj. to 11416.00 MD 4164.84 TVD 175 FNL 1190 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
401.00	400.99	-1.83	-1.63	MWD surveys
2,622.00	2,457.21	416.63	448.00	9 5/8" Casing @ 2622 MD 2457.21 TVD
4,779.47	4,091.00	1,489.61	987.38	FTP Cms top @ 4779.47 MD 4091.00 TVD
11,292.00	4,164.41	6,159.03	-3,536.47	Survey @ 11292.00 MD 4164.41 TVD
11,311.00	4,164.47	6,172.33	-3,550.04	LTP @ 11311.00 MD 4164.47 TVD
11,335.00	4,164.56	6,189.14	-3,567.17	330 perp @ 11335 MD 4164.56 TVD
11,416.00	4,164.84	6,245.86	-3,624.99	Survey Proj. to 11416.00 MD 4164.84 TVD 175 FNL 1190 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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	W Lybrook 730 Pad (730, 763, 830, 861 & 863)				
Site Position:		Northing:	1,888,164.052 usft	Latitude:	36.189179000
From:	Lat/Long	Easting:	2,741,098.391 usft	Longitude:	-107.772310000
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well	W Lybrook Unit No. 861H, Surf loc: 1121 FNL 2446 FWL Section 27-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,854.735 usft	Latitude:	36.202067000
	+E/-W	0.00 ft	Easting:	2,739,771.341 usft	Longitude:	-107.776798000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,641.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/8/2022	8.74	62.71	49,216.13835436

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	315.648	

Survey Program	Date	4/20/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
401.00	2,576.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,682.00	11,292.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
11,416.00	11,416.00	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	1,892,854.735	2,739,771.341	36.202067000	-107.776798000
401.00	0.70	221.700	400.99	-1.83	-1.63	1,892,852.906	2,739,769.712	36.202061978	-107.776803527
MWD surveys									
493.00	0.66	209.390	492.98	-2.71	-2.26	1,892,852.025	2,739,769.078	36.202059558	-107.776805677
584.00	0.62	202.190	583.98	-3.62	-2.71	1,892,851.112	2,739,768.635	36.202057052	-107.776807181
675.00	0.48	230.140	674.97	-4.32	-3.19	1,892,850.412	2,739,768.156	36.202055129	-107.776808804
766.00	0.57	222.140	765.97	-4.90	-3.78	1,892,849.832	2,739,767.560	36.202053537	-107.776810827
857.00	0.44	206.320	856.97	-5.55	-4.24	1,892,849.183	2,739,767.101	36.202051756	-107.776812382
948.00	0.57	191.110	947.96	-6.31	-4.48	1,892,848.426	2,739,766.859	36.202049676	-107.776813205
1,039.00	1.23	54.790	1,038.96	-6.19	-3.77	1,892,848.545	2,739,767.570	36.202050001	-107.776810795



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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
1,132.00	3.30	45.210	1,131.88	-3.73	-1.06	1,892,851.006	2,739,770.285	36.202056759	-107.776801586
1,226.00	5.80	43.980	1,225.58	1.60	4.16	1,892,856.331	2,739,775.505	36.202071378	-107.776783886
1,320.00	8.79	43.630	1,318.80	10.21	12.42	1,892,864.949	2,739,783.760	36.202095040	-107.776755886
1,414.00	12.61	46.880	1,411.15	22.43	24.87	1,892,877.166	2,739,796.210	36.202128581	-107.776713663
1,508.00	15.21	49.260	1,502.39	37.49	41.70	1,892,892.230	2,739,813.046	36.202169935	-107.776656570
1,603.00	17.71	49.080	1,593.49	55.10	62.07	1,892,909.830	2,739,833.409	36.202218252	-107.776587513
1,697.00	20.65	47.680	1,682.26	75.62	85.13	1,892,930.359	2,739,856.473	36.202274610	-107.776509297
1,791.00	24.43	49.430	1,769.07	99.43	112.16	1,892,954.169	2,739,883.505	36.202339976	-107.776417628
1,886.00	27.51	48.820	1,854.46	126.66	143.61	1,892,981.399	2,739,914.948	36.202414727	-107.776310996
1,981.00	29.49	46.090	1,937.95	157.33	176.97	1,893,012.066	2,739,948.312	36.202498919	-107.776197849
2,075.00	33.40	44.690	2,018.13	191.78	211.85	1,893,046.519	2,739,983.190	36.202593509	-107.776079562
2,170.00	37.13	45.480	2,095.69	230.49	250.70	1,893,085.225	2,740,022.036	36.202699777	-107.775947815
2,264.00	37.79	46.270	2,170.30	270.29	291.74	1,893,125.027	2,740,063.076	36.202809048	-107.775808630
2,358.00	37.30	46.620	2,244.83	309.76	333.25	1,893,164.497	2,740,104.588	36.202917410	-107.775667845
2,453.00	35.95	46.800	2,321.07	348.62	374.50	1,893,203.359	2,740,145.839	36.203024098	-107.775527946
2,548.00	36.56	47.410	2,397.68	386.86	415.66	1,893,241.596	2,740,186.998	36.203129074	-107.775388359
2,576.00	36.61	47.320	2,420.16	398.17	427.94	1,893,252.900	2,740,199.276	36.203160106	-107.775346722
2,622.00	36.10	47.414	2,457.21	416.63	448.00	1,893,271.368	2,740,219.336	36.203210807	-107.775278688
9 5/8" Casing @ 2622 MD 2457.21 TVD									
2,682.00	35.43	47.540	2,505.89	440.34	473.84	1,893,295.069	2,740,245.180	36.203275874	-107.775191041
2,776.00	34.75	47.270	2,582.81	476.91	513.62	1,893,331.641	2,740,284.960	36.203376275	-107.775056131
2,872.00	34.22	46.670	2,661.94	514.00	553.35	1,893,368.729	2,740,324.694	36.203478094	-107.774921378
2,986.00	36.14	47.600	2,755.11	558.66	601.50	1,893,413.398	2,740,372.840	36.203600723	-107.774758093
3,080.00	35.49	47.190	2,831.34	595.90	641.99	1,893,450.632	2,740,413.327	36.203702942	-107.774620784
3,174.00	34.37	46.740	2,908.40	632.63	681.33	1,893,487.359	2,740,452.669	36.203803770	-107.774487358
3,269.00	36.43	47.640	2,985.84	670.01	721.71	1,893,524.746	2,740,493.045	36.203906408	-107.774350424
3,363.00	35.77	46.930	3,061.79	707.58	762.40	1,893,562.314	2,740,533.739	36.204009542	-107.774212413
3,457.00	33.68	45.920	3,139.04	744.48	801.20	1,893,599.211	2,740,572.537	36.204110837	-107.774080829
3,552.00	37.36	48.200	3,216.36	782.03	841.62	1,893,636.762	2,740,612.963	36.204213926	-107.773943725
3,646.00	36.89	46.900	3,291.30	820.32	883.49	1,893,675.050	2,740,654.825	36.204319036	-107.773801750
3,740.00	36.86	46.350	3,366.50	859.06	924.49	1,893,713.788	2,740,695.825	36.204425384	-107.773662696
3,834.00	36.18	46.250	3,442.04	897.70	964.93	1,893,752.435	2,740,736.268	36.204531483	-107.773525532
3,929.00	33.99	46.160	3,519.78	935.49	1,004.34	1,893,790.223	2,740,775.681	36.204635224	-107.773391858
3,991.00	32.36	45.450	3,571.67	959.14	1,028.67	1,893,813.869	2,740,800.037	36.204700139	-107.773309353
4,023.00	32.77	45.490	3,598.64	971.21	1,040.95	1,893,825.948	2,740,812.286	36.204733301	-107.773267707
4,054.00	31.05	43.620	3,624.95	982.89	1,052.45	1,893,837.618	2,740,823.785	36.204765340	-107.773228705
4,086.00	30.88	35.580	3,652.40	995.54	1,062.92	1,893,850.276	2,740,834.261	36.204800096	-107.773193170
4,117.00	31.99	26.540	3,678.87	1,009.37	1,071.22	1,893,864.101	2,740,842.564	36.204838059	-107.773164998
4,149.00	33.94	18.470	3,705.73	1,025.43	1,077.85	1,893,880.166	2,740,849.185	36.204882182	-107.773142521
4,180.00	37.61	16.900	3,730.88	1,042.70	1,083.34	1,893,897.432	2,740,854.679	36.204929602	-107.773123863
4,212.00	38.99	17.280	3,755.99	1,061.66	1,089.17	1,893,916.388	2,740,860.508	36.204981667	-107.773104065
4,243.00	39.87	14.220	3,779.93	1,080.60	1,094.51	1,893,935.334	2,740,865.846	36.205033705	-107.773085931
4,275.00	41.08	9.140	3,804.28	1,100.93	1,098.70	1,893,955.663	2,740,870.037	36.205089544	-107.773071682
4,306.00	43.09	3.690	3,827.30	1,121.56	1,101.00	1,893,976.295	2,740,872.337	36.205146217	-107.773063841
4,338.00	45.58	359.140	3,850.19	1,143.91	1,101.53	1,893,998.638	2,740,872.870	36.205207595	-107.773061991
4,369.00	47.91	356.220	3,871.43	1,166.46	1,100.61	1,894,021.191	2,740,871.945	36.205269551	-107.773065077
4,401.00	50.08	353.190	3,892.43	1,190.50	1,098.37	1,894,045.229	2,740,869.706	36.205335590	-107.773072614
4,432.00	52.00	350.120	3,911.92	1,214.34	1,094.86	1,894,069.071	2,740,866.200	36.205401093	-107.773084449
4,464.00	53.22	347.330	3,931.36	1,239.27	1,089.89	1,894,093.999	2,740,861.225	36.205469582	-107.773101259
4,494.00	54.41	344.390	3,949.07	1,262.74	1,083.97	1,894,117.473	2,740,855.307	36.205534077	-107.773121271
4,526.00	56.03	341.620	3,967.33	1,287.87	1,076.28	1,894,142.602	2,740,847.620	36.205603121	-107.773147274
4,557.00	57.76	338.450	3,984.26	1,312.27	1,067.41	1,894,167.001	2,740,838.749	36.205670162	-107.773177292
4,589.00	58.54	336.590	4,001.15	1,337.38	1,057.02	1,894,192.114	2,740,828.355	36.205739169	-107.773212472
4,621.00	57.83	336.010	4,018.02	1,362.28	1,046.09	1,894,217.013	2,740,817.426	36.205807587	-107.773249465
4,652.00	57.74	335.870	4,034.54	1,386.23	1,035.39	1,894,240.962	2,740,806.733	36.205873395	-107.773285660



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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
4,684.00	60.40	335.540	4,050.99	1,411.25	1,024.10	1,894,265.978	2,740,795.439	36.205942135	-107.773323889
4,715.00	63.41	335.600	4,065.59	1,436.14	1,012.79	1,894,290.873	2,740,784.130	36.206010546	-107.773362169
4,747.00	66.91	335.440	4,079.03	1,462.57	1,000.76	1,894,317.298	2,740,772.099	36.206083157	-107.773402897
4,778.00	69.69	332.100	4,090.49	1,488.39	988.03	1,894,343.124	2,740,759.365	36.206154126	-107.773446007
4,779.47	69.83	331.932	4,091.00	1,489.61	987.38	1,894,344.342	2,740,758.718	36.206157472	-107.773448197
FTP Cms top @ 4779.47 MD 4091.00 TVD									
4,810.00	72.78	328.500	4,100.79	1,514.70	973.01	1,894,369.430	2,740,744.350	36.206226417	-107.773496847
4,842.00	75.32	325.380	4,109.58	1,540.48	956.23	1,894,395.208	2,740,727.565	36.206297260	-107.773553689
4,873.00	77.76	322.510	4,116.80	1,564.84	938.48	1,894,419.575	2,740,709.821	36.206364228	-107.773613784
4,904.00	79.98	320.640	4,122.78	1,588.67	919.58	1,894,443.400	2,740,690.918	36.206429710	-107.773677809
4,936.00	82.66	318.820	4,127.61	1,612.80	899.13	1,894,467.533	2,740,670.471	36.206496038	-107.773747064
4,967.00	85.44	317.810	4,130.83	1,635.82	878.63	1,894,490.556	2,740,649.968	36.206559320	-107.773816516
4,998.00	87.97	317.410	4,132.61	1,658.68	857.77	1,894,513.412	2,740,629.105	36.206622143	-107.773887187
5,061.00	88.25	316.780	4,134.69	1,704.80	814.90	1,894,559.533	2,740,586.239	36.206748914	-107.774032392
5,156.00	90.05	317.830	4,136.09	1,774.61	750.49	1,894,629.344	2,740,521.831	36.206940799	-107.774250571
5,250.00	89.70	316.810	4,136.30	1,843.72	686.77	1,894,698.447	2,740,458.110	36.207130738	-107.774466425
5,344.00	89.25	315.080	4,137.16	1,911.27	621.41	1,894,765.996	2,740,392.752	36.207316412	-107.774687827
5,438.00	91.14	316.840	4,136.84	1,978.83	556.07	1,894,833.562	2,740,327.413	36.207502131	-107.774909169
5,533.00	90.27	316.830	4,135.67	2,048.12	491.09	1,894,902.848	2,740,262.429	36.207692573	-107.775129305
5,628.00	89.64	316.480	4,135.75	2,117.20	425.88	1,894,971.935	2,740,197.223	36.207882468	-107.775350196
5,722.00	89.25	317.000	4,136.66	2,185.66	361.47	1,895,040.386	2,740,132.807	36.208070618	-107.775568410
5,817.00	89.40	316.900	4,137.78	2,255.07	296.62	1,895,109.803	2,740,067.961	36.208261419	-107.775788080
5,911.00	89.60	316.270	4,138.60	2,323.35	232.02	1,895,178.081	2,740,003.360	36.208449090	-107.776006924
6,006.00	89.51	316.070	4,139.33	2,391.88	166.23	1,895,246.612	2,739,937.573	36.208637457	-107.776229790
6,101.00	89.47	315.580	4,140.18	2,460.01	100.03	1,895,314.744	2,739,871.375	36.208824730	-107.776454050
6,196.00	89.45	315.510	4,141.08	2,527.82	33.50	1,895,382.552	2,739,804.845	36.209011112	-107.776679437
6,290.00	89.29	315.060	4,142.11	2,594.62	-32.63	1,895,449.346	2,739,738.713	36.209194706	-107.776903478
6,384.00	90.47	317.210	4,142.31	2,662.38	-97.76	1,895,517.112	2,739,673.579	36.209380970	-107.777124132
6,479.00	90.31	317.140	4,141.66	2,732.06	-162.34	1,895,586.786	2,739,609.004	36.209572475	-107.777342894
6,573.00	90.23	316.880	4,141.22	2,800.81	-226.43	1,895,655.544	2,739,544.909	36.209761460	-107.777560028
6,668.00	90.37	316.730	4,140.72	2,870.07	-291.46	1,895,724.800	2,739,479.884	36.209951817	-107.777780316
6,762.00	90.50	316.470	4,140.01	2,938.37	-356.04	1,895,793.096	2,739,415.300	36.210139534	-107.777999112
6,856.00	90.55	316.080	4,139.14	3,006.30	-421.01	1,895,861.024	2,739,350.330	36.210326239	-107.778219216
6,951.00	90.43	315.700	4,138.33	3,074.50	-487.13	1,895,929.231	2,739,284.209	36.210513715	-107.778443224
7,045.00	90.33	315.760	4,137.71	3,141.81	-552.75	1,895,996.539	2,739,218.595	36.210698718	-107.778665517
7,140.00	89.99	315.020	4,137.44	3,209.44	-619.46	1,896,064.169	2,739,151.880	36.210884607	-107.778891543
7,234.00	89.56	314.180	4,137.81	3,275.44	-686.39	1,896,130.170	2,739,084.951	36.211066021	-107.779118298
7,328.00	89.17	313.550	4,138.85	3,340.58	-754.16	1,896,195.304	2,739,017.184	36.211245054	-107.779347895
7,422.00	88.68	313.100	4,140.62	3,405.06	-822.53	1,896,259.789	2,738,948.814	36.211422305	-107.779579539
7,516.00	88.45	316.060	4,142.97	3,471.01	-889.45	1,896,325.739	2,738,881.889	36.211603579	-107.779806283
7,611.00	89.14	316.620	4,144.97	3,539.72	-955.02	1,896,394.451	2,738,816.318	36.211792436	-107.780028431
7,705.00	88.51	316.380	4,146.90	3,607.89	-1,019.72	1,896,462.622	2,738,751.627	36.211979804	-107.780247601
7,799.00	88.27	315.740	4,149.54	3,675.55	-1,084.92	1,896,530.281	2,738,686.426	36.212165768	-107.780468500
7,894.00	87.97	317.790	4,152.66	3,744.72	-1,149.95	1,896,599.452	2,738,621.391	36.212355885	-107.780688838
7,988.00	87.62	317.710	4,156.27	3,814.25	-1,213.11	1,896,668.980	2,738,558.235	36.212546981	-107.780902802
8,082.00	90.29	316.890	4,157.99	3,883.32	-1,276.84	1,896,738.044	2,738,494.505	36.212736799	-107.781118717
8,177.00	90.76	316.520	4,157.12	3,952.46	-1,341.98	1,896,807.184	2,738,429.362	36.212926831	-107.781339423
8,271.00	88.35	316.810	4,157.85	4,020.82	-1,406.48	1,896,875.548	2,738,364.860	36.213114728	-107.781557957
8,365.00	87.66	316.590	4,161.12	4,089.19	-1,470.91	1,896,943.917	2,738,300.433	36.213302638	-107.781776239
8,460.00	87.18	316.530	4,165.39	4,158.10	-1,536.17	1,897,012.826	2,738,235.178	36.213492032	-107.781997327
8,555.00	87.13	316.890	4,170.11	4,227.16	-1,601.23	1,897,081.890	2,738,170.117	36.213681852	-107.782217755
8,649.00	87.03	316.540	4,174.90	4,295.50	-1,665.59	1,897,150.228	2,738,105.752	36.213869677	-107.782435830
8,744.00	86.72	316.400	4,180.08	4,364.28	-1,730.92	1,897,219.002	2,738,040.420	36.214058699	-107.782657183
8,838.00	86.74	316.500	4,185.44	4,432.29	-1,795.58	1,897,287.020	2,737,975.761	36.214245643	-107.782876257
8,933.00	87.43	314.880	4,190.27	4,500.18	-1,861.86	1,897,354.908	2,737,909.488	36.214432233	-107.783100803



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 861H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 861H	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
9,027.00	87.07	314.410	4,194.78	4,566.16	-1,928.66	1,897,420.886	2,737,842.687	36.214613577	-107.783327144
9,121.00	86.91	314.180	4,199.72	4,631.72	-1,995.85	1,897,486.441	2,737,775.499	36.214793756	-107.783554798
9,216.00	86.44	314.160	4,205.23	4,697.80	-2,063.87	1,897,552.524	2,737,707.473	36.214975389	-107.783785293
9,310.00	85.82	313.920	4,211.57	4,762.99	-2,131.29	1,897,617.720	2,737,640.055	36.215154582	-107.784013729
9,404.00	88.26	314.640	4,216.42	4,828.53	-2,198.49	1,897,683.254	2,737,572.853	36.215334706	-107.784241434
9,499.00	92.35	315.250	4,215.92	4,895.62	-2,265.72	1,897,750.349	2,737,505.629	36.215519115	-107.784469212
9,593.00	93.05	315.040	4,211.49	4,962.19	-2,331.94	1,897,816.911	2,737,439.404	36.215702058	-107.784693607
9,687.00	92.89	314.920	4,206.62	5,028.54	-2,398.34	1,897,883.266	2,737,373.002	36.215884433	-107.784918600
9,782.00	92.42	314.450	4,202.22	5,095.27	-2,465.81	1,897,949.999	2,737,305.531	36.216067846	-107.785147217
9,876.00	92.33	314.760	4,198.32	5,161.23	-2,532.68	1,898,015.950	2,737,238.665	36.216249112	-107.785373791
9,970.00	92.52	314.650	4,194.35	5,227.29	-2,599.43	1,898,082.016	2,737,171.915	36.216430691	-107.785599967
10,064.00	92.80	314.600	4,189.98	5,293.25	-2,666.26	1,898,147.976	2,737,105.086	36.216611980	-107.785826415
10,158.00	92.66	314.640	4,185.51	5,359.20	-2,733.09	1,898,213.927	2,737,038.254	36.216793242	-107.786052871
10,253.00	92.75	314.250	4,181.02	5,425.65	-2,800.84	1,898,280.374	2,736,970.508	36.216975869	-107.786282431
10,348.00	92.78	314.180	4,176.44	5,491.82	-2,868.85	1,898,346.545	2,736,902.498	36.217157738	-107.786512884
10,443.00	91.10	315.290	4,173.23	5,558.64	-2,936.29	1,898,413.367	2,736,835.055	36.217341394	-107.786741413
10,537.00	91.05	315.610	4,171.46	5,625.62	-3,002.22	1,898,480.343	2,736,769.123	36.217525470	-107.786964823
10,632.00	90.72	315.090	4,169.99	5,693.20	-3,068.98	1,898,547.919	2,736,702.368	36.217711195	-107.787191024
10,725.00	90.90	315.100	4,168.68	5,759.06	-3,134.62	1,898,613.782	2,736,636.723	36.217892212	-107.787413464
10,820.00	90.68	314.890	4,167.37	5,826.22	-3,201.80	1,898,680.944	2,736,569.549	36.218076802	-107.787641089
10,914.00	90.67	315.070	4,166.26	5,892.66	-3,268.29	1,898,747.384	2,736,503.062	36.218259405	-107.787866383
11,009.00	90.74	314.910	4,165.09	5,959.82	-3,335.47	1,898,814.543	2,736,435.881	36.218443981	-107.788094034
11,103.00	90.23	314.940	4,164.30	6,026.20	-3,402.02	1,898,880.921	2,736,369.328	36.218626413	-107.788319554
11,197.00	89.92	314.610	4,164.17	6,092.40	-3,468.75	1,898,947.127	2,736,302.600	36.218808372	-107.788545671
11,292.00	89.80	314.450	4,164.41	6,159.03	-3,536.47	1,899,013.749	2,736,234.877	36.218991474	-107.788775164
Survey @ 11292.00 MD 4164.41 TVD									
11,311.00	89.80	314.450	4,164.47	6,172.33	-3,550.04	1,899,027.054	2,736,221.313	36.219028042	-107.788821125
LTP @ 11311.00 MD 4164.47 TVD									
11,335.00	89.80	314.450	4,164.56	6,189.14	-3,567.17	1,899,043.861	2,736,204.181	36.219074233	-107.788879182
330 perp @ 11335 MD 4164.56 TVD									
11,416.00	89.80	314.450	4,164.84	6,245.86	-3,624.99	1,899,100.583	2,736,146.358	36.219230128	-107.789075124
Survey Proj. to 11416.00 MD 4164.84 TVD 175 FNL 1190 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
401.00	400.99	-1.83	-1.63	MWD surveys
2,622.00	2,457.21	416.63	448.00	9 5/8" Casing @ 2622 MD 2457.21 TVD
4,779.47	4,091.00	1,489.61	987.38	FTP Cms top @ 4779.47 MD 4091.00 TVD
11,292.00	4,164.41	6,159.03	-3,536.47	Survey @ 11292.00 MD 4164.41 TVD
11,311.00	4,164.47	6,172.33	-3,550.04	LTP @ 11311.00 MD 4164.47 TVD
11,335.00	4,164.56	6,189.14	-3,567.17	330 perp @ 11335 MD 4164.56 TVD
11,416.00	4,164.84	6,245.86	-3,624.99	Survey Proj. to 11416.00 MD 4164.84 TVD 175 FNL 1190 FEL

WELL NAME: W LYBROOK UNIT 861H**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-Cms formation**API Number:** 30-045**AFE Number:** not yet assigned**ER Well Number:** not yet assigned**State:** New Mexico**County:** San Juan**Surface Elev.:** 6,641 ft ASL (GL) 6,666 ft ASL (KB)**Surface Location:** 27-23N-09W Sec-Twn- Rng 1,121 ft FNL 2,446 ft FWL**BH Location:** 21-23N-09W Sec-Twn- Rng 330 ft FNL 1012 ft FEL**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 38.3 miles to MM 113.4, 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) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 onto access road for W Lybrook Unit 720H pad for 0.6 miles to fork, Left (West) onto access road for W Lybrook Unit 726H pad for 0.7 miles to fork, Left (West) for 1.4 miles to fork. Left (Southeast) for 0.6 miles to W Lybrook Unit 730H Pad (wells: 730H, 763H, 830H, 861H, 863H).

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,544 ft
KOP (MD)	4,034 ft
KOP (TVD)	3,681 ft
Target (TVD)	4,131 ft
Curve BUR	10°/100 ft
POE (MD)	5,051 ft
TD (MD)	11,229 ft
Lat Len (ft)	6,178 ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,544	9.625	36.0	J-55	LTC	0	2,544
Production	8.500	11,229	5.500	17.0	P-110	LTC	0	11,229

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Class G	15.8	1.174	5.15	0.6946	100%	0	414
Inter. (Lead)	G:POZ Blend	12.3	1.987	10.16	0.3627	70%	0	563
Inter. (Tail)	Class G	15.8	1.148	4.98	0.3132	20%	2,044	164
Prod. (Lead)	G:POZ blend	12.4	1.907	9.981	0.2691	50%	0	832
Prod. (Tail)	G:POZ blend	13.3	1.360	5.999	0.2291	10%	4,172	1,308

COMPLETION / PRODUCTION SUMMARY:**Frac:** 35 plug-and-perf stages with 210,000 bbls slickwater fluid and 10,000,000 lbs of proppant (estimated)**Flowback:** Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)**Production:** Produce through production tubing via gas-lift into permanent production and storage facilities

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	231	231
Kirtland	291	291
Fruitland	606	606
Pictured Cliffs	916	916
Lewis	1,031	1,031
Chacra	1,266	1,267
Cliff House	2,286	2,403
Menefee	2,306	2,427
Point Lookout	3,281	3,566
Mancos	3,566	3,899
Gallup (MNCS_A)	3,796	4,172
MNCS_B	3,901	4,309
MNCS_C	3,986	4,440
MNCS_Cms	4,031	4,523
P.O.E. TARGET	4,131	5,051
PROJECTED TD	4,181	11,229

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**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.
N0-G-1403-1953

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other

2. Name of Operator

Enduring Resources IV LLC

3a. Address

200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)

505-636-97437. If Unit of CA/Agreement, Name and/or No.
NMNM135216A

8. Well Name and No.

Greater Lybrook Unit 861H

9. API Well No.

30-045-35844

10. Field and Pool or Exploratory Area

Lybrook Mancos W

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1121' FSL & 2446' FWL, Sec 27 T23N, R9W**BHL: 330' FNL & 1012' FEL, Sec 21 T23N, R9W**

11. Country or Parish, State

San Juan, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

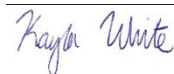
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed 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 recompleat 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 determined that the site is ready for final inspection.)

6/23/2022 thru 6/27/2022- Pre frac site set up, MIRU, Pressure test**6/28/2022 thru 7/10/2022**- 24 hour Frac Ops. 27 total stages, total holes 1,134, 4800 - 11297' MD. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 8,480,035 lbs total proppant**7/22/2022 thru 7/24/2022** - Drilling out operations**7/24/2022** - tubing landed at 4,861' MD

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Kayla White

Title: Environmental Engineer



Date: 9/2/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB NO. 1004-0137

Expires: January 31, 2018

5. Lease Serial No.

N0-G-1403-1953

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMNM135216A

8. Lease Name and Well No.

Greater Lybrook Unit 861H

9. API Well No.

30-045-35844

10. Field and Pool or Exploratory

Lybrook Mancos W

11. Sec., T., R., M., on Block and

Survey or Area
Sec 27 T23N R9W

12. County or Parish

San Juan

13. State

NM

17. Elevations (DF, RKB, RT, GL)*
6669' KB

1a. Type of Well ☒ Oil Well ☐ Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
☐ Other: _____

2. Name of Operator

Enduring Resources IV LLC

3. Address

200 Energy Court Farmington NM 87402

3a. Phone No. (Include area code)

505-636-9743

4. Location of Well (Report location clearly and in accordance with Federal requirements) *

At surface

SHL: 1121' FSL & 2446' FWL, Sec 27 T23N, R9W

BHL: 330' FNL & 1012' FEL, Sec 21 T23N, R9W

At top prod. interval reported below At total depth

14. Date Spudded

2/1/2022

15. Date T.D. Reached

3/30/2022

16. Date Completed 8/4/2022

☐ D & A

☒ Ready to Prod.

18. Total Depth: **11406' MD**

4165' TVD

19. Plug Back T.D.: **11310' MD**

4164' TVD

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

Directional Survey?

☐ No

☒ Yes (Submit copy)

Form 3160-4

(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8", J-55	54.5	0	359.31' MD		350	86.6	surface	
12-1/4"	9-5/8", J-55	36	0	2632' MD		604	218.7	surface	
8-1/2"	5-1/2", P-110	17	0	11406' MD		1924	605	surface	

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8", 6.5#, L-80	4681	4613'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Gallup	3790' TVD	4155' TVD	4800'-11297' MD	.31	1134	

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
4800'-11297' MD	27 total stages, total holes 1,134. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 8,480,035 lbs total proppant

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
8/4/2022	8/4/2022	24 hr	➡	89	506	120			Flowing
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	223	1141	➡					Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			➡						

Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
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*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
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Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
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28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
---------------------	-----------	--------------	-----------------	---------	---------	-----------	------------------------	-------------	-------------------

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
------------	----------------------	-------------	-------------	---------	---------	-----------	---------------	-------------

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):	31. Formation (Log) Markers
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
OJAM	189'				
KRLD	294'				
FRLD	502'				
PCCF	904'				
CLFH	2282'				
MENF	2308'				
PNLK	3295'				
MNCS	3439'				
Gallup	3790'				

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) *

Name (please print) Kayla White Title Environmental Engineer

Signature Kayla White Date: 9/2/2022

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 143985

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143985
	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 143985

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143985
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	10/26/2023