

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 30-045-35814	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 321259	⁸ Property Name W LYBROOK UNIT		⁹ Well Number #830H

II. ¹⁰ Surface Location

UL or lot no. C	Section 27	Township 23N	Range 9W	Lot Idn	Feet from the 1161’	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. C	Section 21	Township 23N	Range 9W	Lot Idn	Feet from the 166’	North/South line North	Feet from the 2507’	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 7/18/2022		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 2/7/2022	²² Ready Date 7/18/2022	²³ TD 12742.8’ MD 4167’ TVD	²⁴ PBDT 12636.6’ MD 4170’ TVD	²⁵ Perforations ~ 4490’ - 12632’ MD ~ 4075’-4172’ 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		360.87’ MD		350 sx - surface
12-1/4”		9-5/8”,36#, J-55		2532’ MD		604 sx- surface
8-1/2”		5-1/2”,17#, P-110		12742.8’ MD		1938 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: <i>Kayla White</i>			OIL CONSERVATION DIVISION Approved by:		
Printed name: Kayla White			Title:		
Title: Environmental Engineer			Approval Date:		
E-mail Address: kwhite@cdhconsult.com					
Date: 5/19/2022		Phone: 720-768-3575			



ENDURING RESOURCES IV LLC

May 19, 2022

Re: W LYBROOK UNIT 830H-30-045-35814

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 I
811 S. First Street, Artesia, NM 88210
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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Appropriate District Office

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1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35814	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 321259	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 830H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

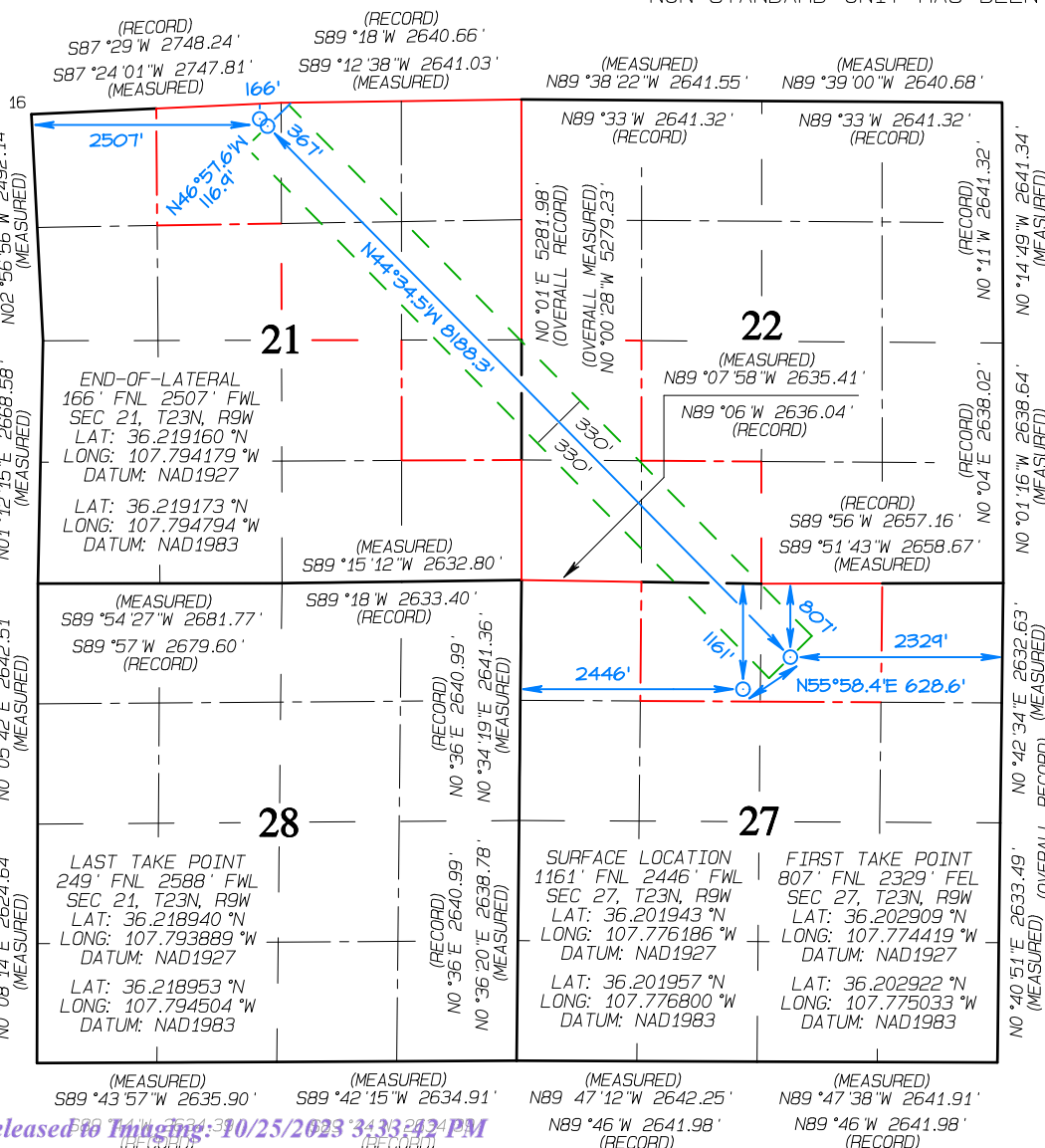
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	23N	9W		1161	NORTH	2446	WEST	SAN JUAN

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
C	21	23N	9W		166	NORTH	2507	WEST	SAN JUAN

¹² Dedicated Acres 440.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14051 - 12,807.24 Acres
NE/4 NW/4, NE/4 NE/4 SE/4 - Section 21 W/2 SW/4, SE/4 SW/4 - Section 22 NE/4 NW/4, NW/4 NE/4 - Section 27			

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



17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Heather Huntington Date: 5-9-22
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresources.com

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 4, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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811 S. First Street, Artesia, NM 88210
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⁴ Property Code 321259	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 830H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

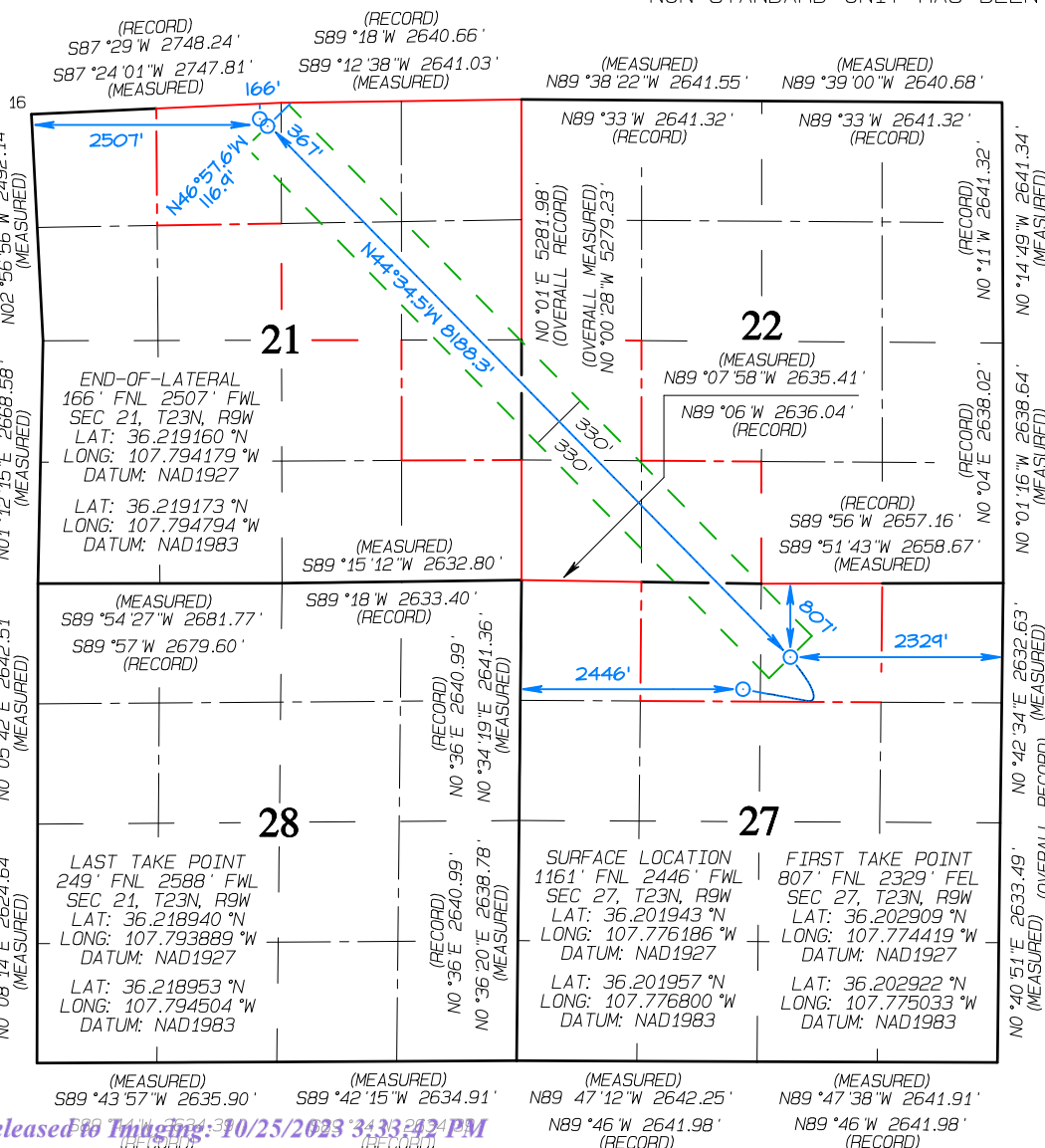
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¹¹ Bottom Hole Location If Different From Surface

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Heather Huntington **5-9-22**
Signature Date
Heather Huntington
Printed Name
hhuntington@enduringresources.com
E-mail Address

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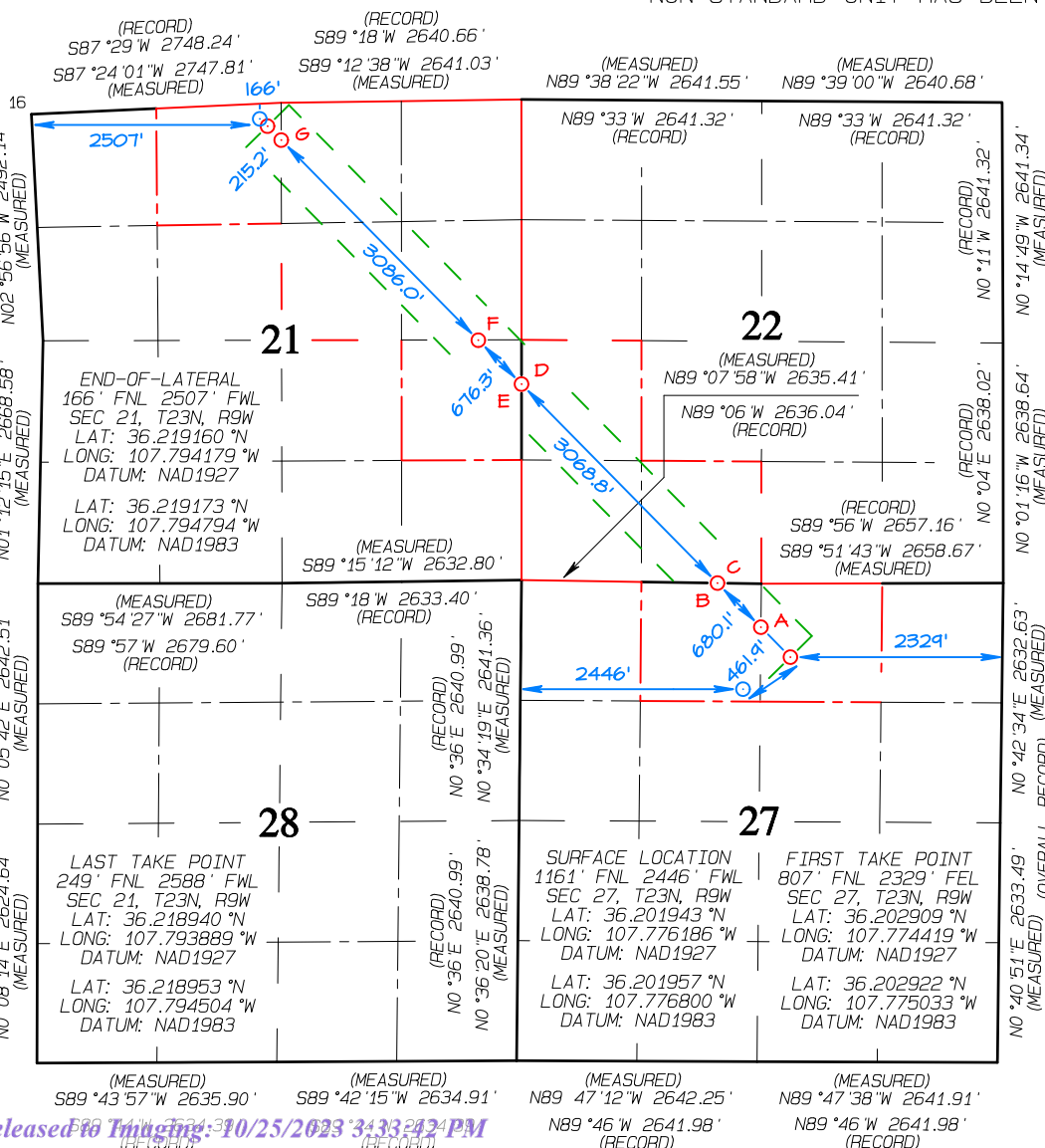
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Signature Heather Huntington Date 5-9-22
Printed Name Heather Huntington
E-mail Address hhuntington@enduringresources.com

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Date Revised: MAY 4, 2022
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Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

(A) 477' FNL 2636' FWL
SEC 27, T23N, R9W
LAT: 36.203813 °N
LONG: 107.775517 °W
DATUM: NAD1927

LAT: 36.203827 °N
LONG: 107.776131 °W
DATUM: NAD1983

(B) 0' FNL 2154' FWL
SEC 27, T23N, R9W
LAT: 36.205145 °N
LONG: 107.777134 °W
DATUM: NAD1927

LAT: 36.205158 °N
LONG: 107.777749 °W
DATUM: NAD1983

(C) 0' FSL 2154' FWL
SEC 22, T23N, R9W
LAT: 36.205145 °N
LONG: 107.777134 °W
DATUM: NAD1927

LAT: 36.205158 °N
LONG: 107.777749 °W
DATUM: NAD1983

(D) 2153' FSL 0' FWL
SEC 22, T23N, R9W
LAT: 36.211153 °N
LONG: 107.784431 °W
DATUM: NAD1927

LAT: 36.211167 °N
LONG: 107.785045 °W
DATUM: NAD1983

(E) 2153' FSL 0' FEL
SEC 21, T23N, R9W
LAT: 36.211153 °N
LONG: 107.784431 °W
DATUM: NAD1927

LAT: 36.211167 °N
LONG: 107.785045 °W
DATUM: NAD1983

(F) 2641' FSL 475' FEL
SEC 21, T23N, R9W
LAT: 36.212478 °N
LONG: 107.786039 °W
DATUM: NAD1927

LAT: 36.212491 °N
LONG: 107.786653 °W
DATUM: NAD1983

(G) 409' FNL 2727' FWL
SEC 21, T23N, R9W
LAT: 36.218519 °N
LONG: 107.793378 °W
DATUM: NAD1927

LAT: 36.218532 °N
LONG: 107.793993 °W
DATUM: NAD1983



Company: Enduring Resources LLC
Well: W Lybrook Unit No. 830H
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

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)

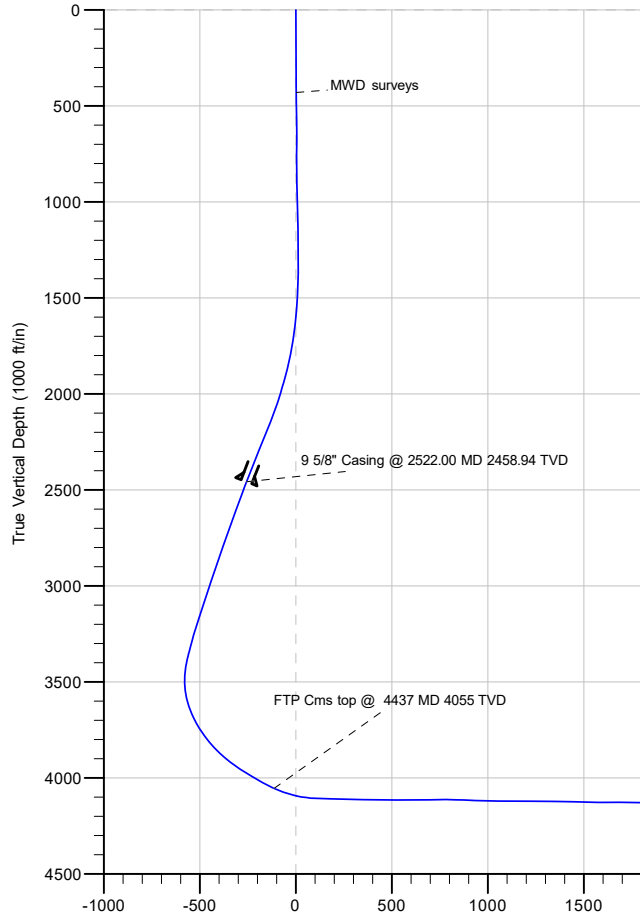
Northing 1892814.692 Easting 2739770.775 Latitude 36.201957000 Longitude -107.776800000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.71°



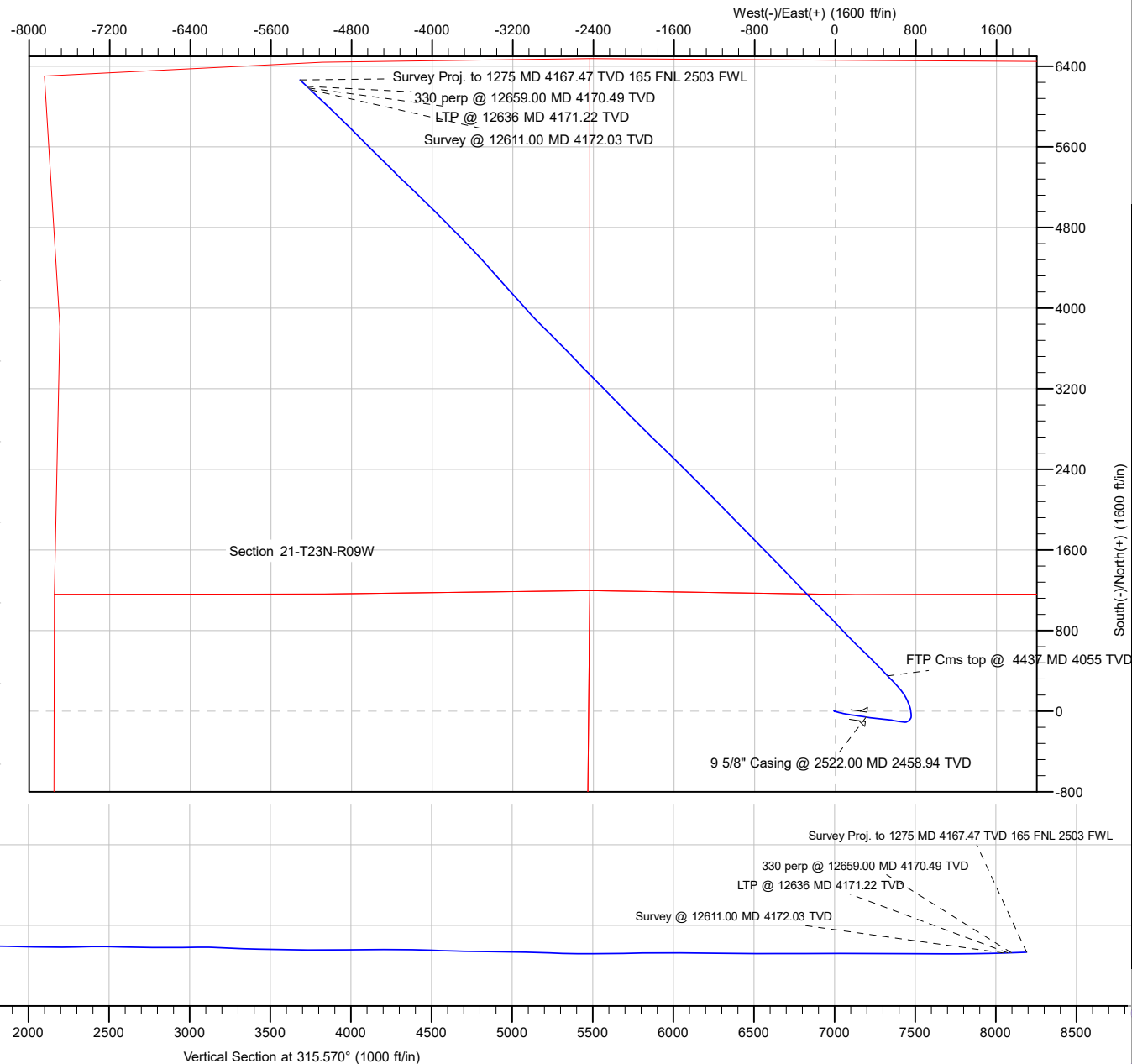
Azimuths to Grid North
 True North: -0.03°
 Magnetic North: 8.71°

Magnetic Field
 Strength: 49225.9nT
 Dip Angle: 62.72°
 Date: 2/1/2022
 Model: IGRF2020



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
431.00	0.70	308.180	430.99	1.63	-2.07	2.61	MWD surveys
2522.00	25.88	98.514	2458.94	-57.19	307.46	-256.07	9 5/8" Casing @ 2522.00 MD 2458.94 TVD
4437.00	65.97	316.338	4055.00	351.64	521.01	-113.62	FTP Cms top @ 4437 MD 4055 TVD
12611.00	91.84	313.040	4172.03	6167.40	-5207.54	8049.66	Survey @ 12611.00 MD 4172.03 TVD
12636.00	91.84	313.040	4171.22	6184.46	-5225.80	8074.62	LTP @ 12636 MD 4171.22 TVD
12659.00	91.84	313.040	4170.49	6200.15	-5242.61	8097.58	330 perp @ 12659.00 MD 4170.49 TVD
12753.00	91.84	313.040	4167.47	6264.27	-5311.27	8191.44	Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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. 830H, Surf loc: 1161 FNL 2446 FWL Section 27-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,892,814.692 usft
	+E/-W	0.00 ft	Easting: 2,739,770.775 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	2/1/2022	8.75	62.72	49,225.89828877

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	315.570	

Survey Program	Date	4/4/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
431.00	2,453.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,554.00	12,611.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,753.00	12,753.00	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	
431.00	0.70	308.180	430.99	1.63	-2.07	2.61	0.16	0.16	0.00	
MWD surveys										
493.00	0.62	300.010	492.99	2.03	-2.66	3.31	0.20	-0.13	-13.18	
584.00	0.92	296.490	583.98	2.60	-3.74	4.47	0.33	0.33	-3.87	
675.00	0.31	290.170	674.97	3.01	-4.62	5.39	0.67	-0.67	-6.95	
766.00	0.48	260.550	765.97	3.03	-5.23	5.83	0.29	0.19	-32.55	
857.00	0.88	278.390	856.96	3.07	-6.30	6.60	0.49	0.44	19.60	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
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Well:	W Lybrook Unit No. 830H	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	1.19	275.140	947.95	3.26	-7.93	7.88	0.35	0.34	-3.57
1,039.00	1.14	283.310	1,038.93	3.55	-9.75	9.36	0.19	-0.05	8.98
1,132.00	0.97	287.440	1,131.91	4.00	-11.40	10.84	0.20	-0.18	4.44
1,226.00	0.66	267.490	1,225.90	4.22	-12.70	11.90	0.44	-0.33	-21.22
1,320.00	0.48	303.090	1,319.90	4.41	-13.57	12.65	0.41	-0.19	37.87
1,414.00	1.41	124.320	1,413.89	3.97	-12.95	11.90	2.01	0.99	-190.18
1,508.00	3.65	121.860	1,507.79	1.74	-9.45	7.86	2.39	2.38	-2.62
1,603.00	5.80	107.970	1,602.47	-1.34	-2.32	0.67	2.55	2.26	-14.62
1,697.00	9.40	102.870	1,695.63	-4.51	9.69	-10.01	3.89	3.83	-5.43
1,791.00	13.40	105.510	1,787.76	-9.14	27.68	-25.90	4.29	4.26	2.81
1,886.00	16.39	103.050	1,879.55	-15.11	51.35	-46.73	3.22	3.15	-2.59
1,981.00	19.25	101.820	1,969.99	-21.35	79.74	-71.06	3.04	3.01	-1.29
2,075.00	22.59	100.410	2,057.78	-27.78	112.67	-98.71	3.59	3.55	-1.50
2,170.00	26.41	98.210	2,144.21	-34.10	151.54	-130.44	4.13	4.02	-2.32
2,264.00	27.33	98.390	2,228.06	-40.23	193.58	-164.25	0.98	0.98	0.19
2,358.00	26.59	98.480	2,311.85	-46.49	235.74	-198.22	0.79	-0.79	0.10
2,453.00	26.19	98.480	2,396.95	-52.71	277.50	-231.90	0.42	-0.42	0.00
2,522.00	25.88	98.514	2,458.94	-57.19	307.46	-256.07	0.45	-0.45	0.05
9 5/8" Casing @ 2522.00 MD 2458.94 TVD									
2,554.00	25.74	98.530	2,487.75	-59.25	321.23	-267.19	0.45	-0.45	0.05
2,585.00	25.61	97.790	2,515.69	-61.16	334.53	-277.86	1.12	-0.42	-2.39
2,679.00	25.17	97.120	2,600.61	-66.39	374.49	-309.57	0.56	-0.47	-0.71
2,774.00	24.74	96.740	2,686.74	-71.23	414.28	-340.88	0.48	-0.45	-0.40
2,869.00	24.19	96.630	2,773.21	-75.81	453.36	-371.50	0.58	-0.58	-0.12
2,984.00	23.60	95.900	2,878.35	-80.89	499.66	-407.55	0.57	-0.51	-0.63
3,077.00	22.97	95.340	2,963.78	-84.50	536.24	-435.73	0.72	-0.68	-0.60
3,172.00	23.23	101.240	3,051.17	-89.87	573.08	-465.36	2.45	0.27	6.21
3,267.00	22.03	100.070	3,138.86	-96.64	609.00	-495.34	1.35	-1.26	-1.23
3,360.00	20.40	98.930	3,225.55	-102.21	642.19	-522.54	1.81	-1.75	-1.23
3,423.00	18.95	97.510	3,284.87	-105.25	663.18	-539.41	2.42	-2.30	-2.25
3,454.00	18.93	98.030	3,314.20	-106.61	673.15	-547.36	0.55	-0.06	1.68
3,486.00	18.85	95.490	3,344.47	-107.83	683.43	-555.43	2.58	-0.25	-7.94
3,517.00	19.85	86.280	3,373.73	-107.97	693.67	-562.70	10.35	3.23	-29.71
3,549.00	21.61	76.470	3,403.66	-106.23	704.83	-569.27	12.15	5.50	-30.66
3,580.00	23.36	65.780	3,432.32	-102.38	715.99	-574.33	14.32	5.65	-34.48
3,612.00	23.32	55.380	3,461.71	-96.17	726.99	-577.60	12.86	-0.13	-32.50
3,643.00	21.10	46.300	3,490.42	-88.83	736.08	-578.72	13.17	-7.16	-29.29
3,675.00	19.78	36.590	3,520.41	-80.50	743.47	-577.94	11.36	-4.13	-30.34
3,706.00	20.38	25.260	3,549.54	-71.40	748.91	-575.25	12.68	1.94	-36.55
3,737.00	21.87	13.630	3,578.47	-60.90	752.57	-570.32	14.32	4.81	-37.52
3,769.00	23.54	4.070	3,608.00	-48.73	754.43	-562.93	12.64	5.22	-29.88
3,800.00	25.14	355.900	3,636.25	-35.98	754.40	-553.80	12.01	5.16	-26.35
3,832.00	28.54	354.450	3,664.80	-21.59	753.17	-542.67	10.82	10.63	-4.53
3,863.00	31.99	352.940	3,691.57	-6.07	751.45	-530.37	11.40	11.13	-4.87



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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)
3,894.00	34.65	350.180	3,717.47	10.77	748.93	-516.59	9.87	8.58	-8.90
3,926.00	36.05	346.450	3,743.57	28.89	745.18	-501.02	8.04	4.38	-11.66
3,957.00	37.63	342.580	3,768.39	46.79	740.21	-484.76	9.05	5.10	-12.48
3,989.00	40.06	339.620	3,793.31	65.77	733.69	-466.65	9.55	7.59	-9.25
4,020.00	42.21	337.380	3,816.66	84.74	726.21	-447.86	8.41	6.94	-7.23
4,051.00	44.60	335.150	3,839.18	104.23	717.63	-427.94	9.16	7.71	-7.19
4,083.00	46.62	332.260	3,861.57	124.72	707.50	-406.21	9.03	6.31	-9.03
4,114.00	48.58	329.660	3,882.47	144.73	696.38	-384.14	8.85	6.32	-8.39
4,146.00	50.93	327.230	3,903.15	165.53	683.59	-360.33	9.35	7.34	-7.59
4,178.00	53.11	324.650	3,922.84	186.42	669.46	-335.53	9.32	6.81	-8.06
4,209.00	55.09	321.990	3,941.02	206.55	654.46	-310.65	9.44	6.39	-8.58
4,240.00	57.76	319.690	3,958.16	226.57	638.14	-284.93	10.60	8.61	-7.42
4,272.00	59.31	317.640	3,974.87	247.06	620.12	-257.68	7.30	4.84	-6.41
4,303.00	59.20	317.290	3,990.71	266.69	602.10	-231.05	1.03	-0.35	-1.13
4,335.00	58.56	316.680	4,007.25	286.72	583.42	-203.67	2.58	-2.00	-1.91
4,366.00	60.58	315.660	4,022.95	306.00	564.91	-176.94	7.11	6.52	-3.29
4,398.00	62.83	316.200	4,038.12	326.24	545.31	-148.77	7.19	7.03	1.69
4,429.00	65.22	316.300	4,051.70	346.37	526.04	-120.90	7.72	7.71	0.32
4,437.00	65.97	316.338	4,055.00	351.64	521.01	-113.62	9.38	9.37	0.48
FTP Cms top @ 4437 MD 4055 TVD									
4,461.00	68.22	316.450	4,064.34	367.65	505.76	-91.51	9.38	9.38	0.47
4,492.00	70.99	316.070	4,075.14	388.64	485.67	-62.46	9.01	8.94	-1.23
4,523.00	73.90	316.030	4,084.49	409.91	465.16	-32.91	9.39	9.39	-0.13
4,555.00	76.54	315.720	4,092.66	432.12	443.62	-1.97	8.30	8.25	-0.97
4,586.00	79.62	315.570	4,099.06	453.81	422.42	28.36	9.95	9.94	-0.48
4,618.00	82.91	315.330	4,103.92	476.34	400.24	59.98	10.31	10.28	-0.75
4,650.00	86.24	315.570	4,106.94	499.04	377.89	91.83	10.43	10.41	0.75
4,681.00	88.63	315.310	4,108.33	521.11	356.16	122.80	7.76	7.71	-0.84
4,775.00	88.76	313.870	4,110.47	587.08	289.24	216.76	1.54	0.14	-1.53
4,870.00	88.91	313.300	4,112.40	652.56	220.44	311.68	0.62	0.16	-0.60
4,964.00	88.86	316.000	4,114.23	718.60	153.59	405.64	2.87	-0.05	2.87
5,058.00	89.80	316.760	4,115.33	786.65	88.74	499.63	1.29	1.00	0.81
5,153.00	90.50	316.770	4,115.08	855.86	23.67	594.60	0.74	0.74	0.01
5,248.00	90.63	315.850	4,114.14	924.55	-41.95	689.59	0.98	0.14	-0.97
5,342.00	89.56	314.670	4,113.99	991.31	-108.11	783.59	1.69	-1.14	-1.26
5,436.00	88.31	313.250	4,115.74	1,056.55	-175.76	877.53	2.01	-1.33	-1.51
5,530.00	87.31	316.120	4,119.33	1,122.60	-242.54	971.44	3.23	-1.06	3.05
5,625.00	90.11	316.480	4,121.47	1,191.25	-308.15	1,066.40	2.97	2.95	0.38
5,719.00	89.80	316.270	4,121.54	1,259.30	-373.00	1,160.39	0.40	-0.33	-0.22
5,814.00	89.31	316.190	4,122.28	1,327.90	-438.72	1,255.38	0.52	-0.52	-0.08
5,908.00	89.24	316.080	4,123.47	1,395.66	-503.85	1,349.36	0.14	-0.07	-0.12
6,003.00	89.04	315.830	4,124.89	1,463.94	-569.89	1,444.35	0.34	-0.21	-0.26
6,099.00	88.15	315.230	4,127.25	1,532.43	-637.12	1,540.32	1.12	-0.93	-0.63



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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)	
6,193.00	90.06	316.320	4,128.72	1,599.78	-702.67	1,634.30	2.34	2.03	1.16	
6,287.00	89.89	316.160	4,128.76	1,667.67	-767.68	1,728.30	0.25	-0.18	-0.17	
6,382.00	89.32	315.650	4,129.41	1,735.89	-833.79	1,823.29	0.81	-0.60	-0.54	
6,476.00	88.55	315.350	4,131.16	1,802.93	-899.66	1,917.28	0.88	-0.82	-0.32	
6,570.00	88.07	314.680	4,133.93	1,869.38	-966.08	2,011.23	0.88	-0.51	-0.71	
6,665.00	89.76	315.930	4,135.73	1,936.90	-1,032.88	2,106.21	2.21	1.78	1.32	
6,759.00	90.54	315.700	4,135.48	2,004.30	-1,098.40	2,200.20	0.87	0.83	-0.24	
6,854.00	90.78	315.610	4,134.39	2,072.24	-1,164.80	2,295.20	0.27	0.25	-0.09	
6,948.00	91.06	314.840	4,132.88	2,138.96	-1,230.99	2,389.18	0.87	0.30	-0.82	
7,043.00	88.86	315.680	4,132.95	2,206.43	-1,297.86	2,484.18	2.48	-2.32	0.88	
7,137.00	88.77	315.070	4,134.89	2,273.32	-1,363.87	2,578.15	0.66	-0.10	-0.65	
7,231.00	88.90	314.890	4,136.80	2,339.75	-1,430.35	2,672.13	0.24	0.14	-0.19	
7,325.00	89.45	314.700	4,138.16	2,405.97	-1,497.05	2,766.11	0.62	0.59	-0.20	
7,419.00	89.97	314.900	4,138.63	2,472.21	-1,563.75	2,860.10	0.59	0.55	0.21	
7,514.00	90.58	314.510	4,138.18	2,539.03	-1,631.27	2,955.09	0.76	0.64	-0.41	
7,608.00	91.05	313.390	4,136.84	2,604.26	-1,698.93	3,049.04	1.29	0.50	-1.19	
7,702.00	88.13	314.570	4,137.51	2,669.53	-1,766.57	3,142.99	3.35	-3.11	1.26	
7,797.00	87.63	314.220	4,141.03	2,735.95	-1,834.40	3,237.90	0.64	-0.53	-0.37	
7,891.00	87.43	313.330	4,145.08	2,800.92	-1,902.21	3,331.77	0.97	-0.21	-0.95	
7,985.00	88.72	315.550	4,148.23	2,866.69	-1,969.28	3,425.69	2.73	1.37	2.36	
8,079.00	89.29	316.590	4,149.87	2,934.38	-2,034.48	3,519.67	1.26	0.61	1.11	
8,174.00	88.96	315.280	4,151.32	3,002.63	-2,100.54	3,614.66	1.42	-0.35	-1.38	
8,268.00	89.22	314.490	4,152.81	3,068.95	-2,167.14	3,708.64	0.88	0.28	-0.84	
8,363.00	89.83	315.960	4,153.60	3,136.39	-2,234.04	3,803.63	1.68	0.64	1.55	
8,458.00	90.24	315.790	4,153.54	3,204.58	-2,300.18	3,898.63	0.47	0.43	-0.18	
8,552.00	90.38	315.540	4,153.03	3,271.81	-2,365.88	3,992.62	0.30	0.15	-0.27	
8,646.00	90.90	315.420	4,151.98	3,338.83	-2,431.78	4,086.62	0.57	0.55	-0.13	
8,741.00	91.49	315.290	4,150.00	3,406.41	-2,498.52	4,181.60	0.64	0.62	-0.14	
8,836.00	89.07	316.350	4,149.54	3,474.53	-2,564.72	4,276.59	2.78	-2.55	1.12	
8,930.00	88.45	316.150	4,151.57	3,542.42	-2,629.71	4,370.56	0.69	-0.66	-0.21	
9,024.00	88.18	315.300	4,154.33	3,609.69	-2,695.30	4,464.51	0.95	-0.29	-0.90	
9,118.00	88.45	315.400	4,157.10	3,676.53	-2,761.33	4,558.47	0.31	0.29	0.11	
9,213.00	88.10	314.440	4,159.96	3,743.58	-2,828.57	4,653.42	1.08	-0.37	-1.01	
9,307.00	89.15	315.520	4,162.21	3,810.01	-2,895.04	4,747.39	1.60	1.12	1.15	
9,402.00	89.42	314.920	4,163.40	3,877.44	-2,961.95	4,842.38	0.69	0.28	-0.63	
9,496.00	89.60	318.620	4,164.20	3,945.91	-3,026.32	4,936.34	3.94	0.19	3.94	
9,590.00	89.11	318.090	4,165.26	4,016.15	-3,088.78	5,030.22	0.77	-0.52	-0.56	
9,685.00	88.28	317.820	4,167.43	4,086.68	-3,152.39	5,125.11	0.92	-0.87	-0.28	
9,779.00	87.27	317.280	4,171.07	4,155.99	-3,215.78	5,218.98	1.22	-1.07	-0.57	
9,873.00	88.66	319.260	4,174.41	4,226.09	-3,278.31	5,312.81	2.57	1.48	2.11	
9,967.00	89.17	318.940	4,176.19	4,297.12	-3,339.84	5,406.62	0.64	0.54	-0.34	
10,061.00	90.85	317.960	4,176.18	4,367.47	-3,402.19	5,500.49	2.07	1.79	-1.04	
10,156.00	90.02	317.210	4,175.46	4,437.60	-3,466.26	5,595.43	1.18	-0.87	-0.79	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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)
10,250.00	91.33	317.270	4,174.35	4,506.61	-3,530.07	5,689.38	1.40	1.39	0.06
10,345.00	90.97	316.620	4,172.44	4,576.01	-3,594.92	5,784.34	0.78	-0.38	-0.68
10,440.00	90.28	315.880	4,171.41	4,644.63	-3,660.61	5,879.32	1.06	-0.73	-0.78
10,534.00	89.83	315.500	4,171.31	4,711.90	-3,726.27	5,973.32	0.63	-0.48	-0.40
10,629.00	89.51	315.720	4,171.86	4,779.78	-3,792.72	6,068.32	0.41	-0.34	0.23
10,723.00	89.52	315.350	4,172.66	4,846.86	-3,858.57	6,162.32	0.39	0.01	-0.39
10,817.00	89.36	315.000	4,173.58	4,913.53	-3,924.83	6,256.31	0.41	-0.17	-0.37
10,911.00	89.61	314.990	4,174.42	4,979.99	-3,991.30	6,350.30	0.27	0.27	-0.01
11,006.00	89.60	314.280	4,175.08	5,046.74	-4,058.90	6,445.29	0.75	-0.01	-0.75
11,100.00	90.00	313.870	4,175.40	5,112.12	-4,126.43	6,539.25	0.61	0.43	-0.44
11,195.00	90.16	313.820	4,175.27	5,177.93	-4,194.95	6,634.21	0.18	0.17	-0.05
11,289.00	90.07	312.840	4,175.08	5,242.43	-4,263.32	6,728.14	1.05	-0.10	-1.04
11,384.00	89.57	315.410	4,175.38	5,308.57	-4,331.51	6,823.10	2.76	-0.53	2.71
11,478.00	89.80	315.190	4,175.90	5,375.38	-4,397.63	6,917.09	0.34	0.24	-0.23
11,573.00	90.23	314.730	4,175.87	5,442.51	-4,464.85	7,012.09	0.66	0.45	-0.48
11,667.00	90.50	314.490	4,175.27	5,508.52	-4,531.77	7,106.07	0.38	0.29	-0.26
11,762.00	90.66	313.700	4,174.31	5,574.62	-4,599.99	7,201.04	0.85	0.17	-0.83
11,856.00	88.92	315.660	4,174.66	5,640.71	-4,666.82	7,295.02	2.79	-1.85	2.09
11,951.00	89.37	315.540	4,176.08	5,708.58	-4,733.28	7,390.01	0.49	0.47	-0.13
12,045.00	89.48	314.780	4,177.02	5,775.23	-4,799.56	7,484.00	0.82	0.12	-0.81
12,139.00	89.77	314.340	4,177.63	5,841.18	-4,866.54	7,577.98	0.56	0.31	-0.47
12,233.00	90.13	314.520	4,177.72	5,906.99	-4,933.66	7,671.96	0.43	0.38	0.19
12,327.00	90.08	313.670	4,177.54	5,972.39	-5,001.17	7,765.93	0.91	-0.05	-0.90
12,422.00	90.85	313.390	4,176.77	6,037.82	-5,070.04	7,860.87	0.86	0.81	-0.29
12,516.00	91.53	313.390	4,174.82	6,102.38	-5,138.34	7,954.78	0.72	0.72	0.00
12,611.00	91.84	313.040	4,172.03	6,167.40	-5,207.54	8,049.66	0.49	0.33	-0.37
Survey @ 12611.00 MD 4172.03 TVD									
12,636.00	91.84	313.040	4,171.22	6,184.46	-5,225.80	8,074.62	0.00	0.00	0.00
LTP @ 12636 MD 4171.22 TVD									
12,659.00	91.84	313.040	4,170.49	6,200.15	-5,242.61	8,097.58	0.00	0.00	0.00
330 perp @ 12659.00 MD 4170.49 TVD									
12,753.00	91.84	313.040	4,167.47	6,264.27	-5,311.27	8,191.44	0.00	0.00	0.00
Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,522.00	2,458.94		9-5/8	12-1/4



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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)	
431.00	430.99	1.63	-2.07	MWD surveys
2,522.00	2,458.94	-57.19	307.46	9 5/8" Casing @ 2522.00 MD 2458.94 TVD
4,437.00	4,055.00	351.64	521.01	FTP Cms top @ 4437 MD 4055 TVD
12,611.00	4,172.03	6,167.40	-5,207.54	Survey @ 12611.00 MD 4172.03 TVD
12,636.00	4,171.22	6,184.46	-5,225.80	LTP @ 12636 MD 4171.22 TVD
12,659.00	4,170.49	6,200.15	-5,242.61	330 perp @ 12659.00 MD 4170.49 TVD
12,753.00	4,167.47	6,264.27	-5,311.27	Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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. 830H, Surf loc: 1161 FNL 2446 FWL Section 27-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,814.692 usft	Latitude:	36.201957000
	+E/-W	0.00 ft	Easting:	2,739,770.775 usft	Longitude:	-107.776800000
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	2/1/2022	8.75	62.72	49,225.89828877

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	315.570	

Survey Program	Date	4/4/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
431.00	2,453.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,554.00	12,611.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,753.00	12,753.00	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	1,892,814.692	2,739,770.775	36.201957000	-107.776800000
431.00	0.70	308.180	430.99	1.63	-2.07	1,892,816.320	2,739,768.705	36.201961474	-107.776807012
MWD surveys									
493.00	0.62	300.010	492.99	2.03	-2.66	1,892,816.722	2,739,768.117	36.201962579	-107.776809004
584.00	0.92	296.490	583.98	2.60	-3.74	1,892,817.294	2,739,767.037	36.201964152	-107.776812665
675.00	0.31	290.170	674.97	3.01	-4.62	1,892,817.704	2,739,766.152	36.201965282	-107.776815663
766.00	0.48	260.550	765.97	3.03	-5.23	1,892,817.727	2,739,765.545	36.201965344	-107.776817721
857.00	0.88	278.390	856.96	3.07	-6.30	1,892,817.766	2,739,764.477	36.201965454	-107.776821339
948.00	1.19	275.140	947.95	3.26	-7.93	1,892,817.953	2,739,762.845	36.201965969	-107.776826871
1,039.00	1.14	283.310	1,038.93	3.55	-9.75	1,892,818.246	2,739,761.023	36.201966777	-107.776833047



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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	0.97	287.440	1,131.91	4.00	-11.40	1,892,818.695	2,739,759.371	36.201968013	-107.776838643
1,226.00	0.66	267.490	1,225.90	4.22	-12.70	1,892,818.909	2,739,758.071	36.201968605	-107.776843049
1,320.00	0.48	303.090	1,319.90	4.41	-13.57	1,892,819.101	2,739,757.201	36.201969132	-107.776846000
1,414.00	1.41	124.320	1,413.89	3.97	-12.95	1,892,818.664	2,739,757.826	36.201967930	-107.776843881
1,508.00	3.65	121.860	1,507.79	1.74	-9.45	1,892,816.432	2,739,761.323	36.201961794	-107.776832033
1,603.00	5.80	107.970	1,602.47	-1.34	-2.32	1,892,813.354	2,739,768.458	36.201953328	-107.776807853
1,697.00	9.40	102.870	1,695.63	-4.51	9.69	1,892,810.178	2,739,780.464	36.201944583	-107.776767168
1,791.00	13.40	105.510	1,787.76	-9.14	27.68	1,892,805.554	2,739,798.450	36.201931851	-107.776706213
1,886.00	16.39	103.050	1,879.55	-15.11	51.35	1,892,799.582	2,739,822.120	36.201915409	-107.776625996
1,981.00	19.25	101.820	1,969.99	-21.35	79.74	1,892,793.347	2,739,850.511	36.201898233	-107.776529777
2,075.00	22.59	100.410	2,057.78	-27.78	112.67	1,892,786.908	2,739,883.445	36.201880494	-107.776418163
2,170.00	26.41	98.210	2,144.21	-34.10	151.54	1,892,780.592	2,739,922.317	36.201863079	-107.776286420
2,264.00	27.33	98.390	2,228.06	-40.23	193.58	1,892,774.458	2,739,964.356	36.201846161	-107.776143941
2,358.00	26.59	98.480	2,311.85	-46.49	235.74	1,892,768.207	2,740,006.512	36.201828921	-107.776001070
2,453.00	26.19	98.480	2,396.95	-52.71	277.50	1,892,761.980	2,740,048.275	36.201811747	-107.775859526
2,522.00	25.88	98.514	2,458.94	-57.19	307.46	1,892,757.505	2,740,078.230	36.201799405	-107.775758006
9 5/8" Casing @ 2522.00 MD 2458.94 TVD									
2,554.00	25.74	98.530	2,487.75	-59.25	321.23	1,892,755.441	2,740,092.009	36.201793711	-107.775711306
2,585.00	25.61	97.790	2,515.69	-61.16	334.53	1,892,753.534	2,740,105.304	36.201788451	-107.775666247
2,679.00	25.17	97.120	2,600.61	-66.39	374.49	1,892,748.303	2,740,145.267	36.201774015	-107.775530803
2,774.00	24.74	96.740	2,686.74	-71.23	414.28	1,892,743.466	2,740,185.055	36.201760662	-107.775395954
2,869.00	24.19	96.630	2,773.21	-75.81	453.36	1,892,738.885	2,740,224.130	36.201748015	-107.775263519
2,984.00	23.60	95.900	2,878.35	-80.89	499.66	1,892,733.799	2,740,270.433	36.201733966	-107.775106590
3,077.00	22.97	95.340	2,963.78	-84.50	536.24	1,892,730.196	2,740,307.018	36.201724009	-107.774982591
3,172.00	23.23	101.240	3,051.17	-89.87	573.08	1,892,724.819	2,740,343.855	36.201709175	-107.774857744
3,267.00	22.03	100.070	3,138.86	-96.64	609.00	1,892,718.051	2,740,379.775	36.201690524	-107.774736010
3,360.00	20.40	98.930	3,225.55	-102.21	642.19	1,892,712.485	2,740,412.963	36.201675179	-107.774623534
3,423.00	18.95	97.510	3,284.87	-105.25	663.18	1,892,709.444	2,740,433.952	36.201666788	-107.774552396
3,454.00	18.93	98.030	3,314.20	-106.61	673.15	1,892,708.083	2,740,443.922	36.201663035	-107.774518608
3,486.00	18.85	95.490	3,344.47	-107.83	683.43	1,892,706.864	2,740,454.207	36.201659667	-107.774483748
3,517.00	19.85	86.280	3,373.73	-107.97	693.67	1,892,706.726	2,740,464.447	36.201659272	-107.774449041
3,549.00	21.61	76.470	3,403.66	-106.23	704.83	1,892,708.458	2,740,475.602	36.201664011	-107.774411229
3,580.00	23.36	65.780	3,432.32	-102.38	715.99	1,892,712.316	2,740,486.762	36.201674592	-107.774373393
3,612.00	23.32	55.380	3,461.71	-96.17	726.99	1,892,718.520	2,740,497.765	36.201691616	-107.774336087
3,643.00	21.10	46.300	3,490.42	-88.83	736.08	1,892,725.864	2,740,506.853	36.201711776	-107.774305270
3,675.00	19.78	36.590	3,520.41	-80.50	743.47	1,892,734.194	2,740,514.247	36.201734646	-107.774280190
3,706.00	20.38	25.260	3,549.54	-71.40	748.91	1,892,743.291	2,740,519.679	36.201759627	-107.774261760
3,737.00	21.87	13.630	3,578.47	-60.90	752.57	1,892,753.789	2,740,523.345	36.201788460	-107.774249313
3,769.00	23.54	4.070	3,608.00	-48.73	754.43	1,892,765.960	2,740,525.204	36.201821893	-107.774242987
3,800.00	25.14	355.900	3,636.25	-35.98	754.40	1,892,778.708	2,740,525.172	36.201856911	-107.774243068
3,832.00	28.54	354.450	3,664.80	-21.59	753.17	1,892,793.100	2,740,523.946	36.201896452	-107.774247192
3,863.00	31.99	352.940	3,691.57	-6.07	751.45	1,892,808.625	2,740,522.220	36.201939103	-107.774253010
3,894.00	34.65	350.180	3,717.47	10.77	748.93	1,892,825.462	2,740,519.708	36.201985360	-107.774261493
3,926.00	36.05	346.450	3,743.57	28.89	745.18	1,892,843.582	2,740,515.949	36.202035145	-107.774274194
3,957.00	37.63	342.580	3,768.39	46.79	740.21	1,892,861.483	2,740,510.978	36.202084328	-107.774291007
3,989.00	40.06	339.620	3,793.31	65.77	733.69	1,892,880.462	2,740,504.466	36.202136474	-107.774313041
4,020.00	42.21	337.380	3,816.66	84.74	726.21	1,892,899.429	2,740,496.985	36.202188591	-107.774338357
4,051.00	44.60	335.150	3,839.18	104.23	717.63	1,892,918.921	2,740,488.405	36.202242153	-107.774367401
4,083.00	46.62	332.260	3,861.57	124.72	707.50	1,892,939.412	2,740,478.269	36.202298461	-107.774401715
4,114.00	48.58	329.660	3,882.47	144.73	696.38	1,892,959.418	2,740,467.152	36.202353438	-107.774439355
4,146.00	50.93	327.230	3,903.15	165.53	683.59	1,892,980.222	2,740,454.364	36.202410611	-107.774482654
4,178.00	53.11	324.650	3,922.84	186.42	669.46	1,893,001.110	2,740,440.234	36.202468014	-107.774530506
4,209.00	55.09	321.990	3,941.02	206.55	654.46	1,893,021.240	2,740,425.231	36.202523339	-107.774581317
4,240.00	57.76	319.690	3,958.16	226.57	638.14	1,893,041.258	2,740,408.918	36.202578356	-107.774636569
4,272.00	59.31	317.640	3,974.87	247.06	620.12	1,893,061.747	2,740,390.890	36.202634673	-107.774697633



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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
4,303.00	59.20	317.290	3,990.71	266.69	602.10	1,893,081.379	2,740,372.878	36.202688635	-107.774758643
4,335.00	58.56	316.680	4,007.25	286.72	583.42	1,893,101.410	2,740,354.190	36.202743691	-107.774821944
4,366.00	60.58	315.660	4,022.95	306.00	564.91	1,893,120.689	2,740,335.679	36.202796685	-107.774884649
4,398.00	62.83	316.200	4,038.12	326.24	545.31	1,893,140.933	2,740,316.084	36.202852330	-107.774951026
4,429.00	65.22	316.300	4,051.70	346.37	526.04	1,893,161.063	2,740,296.814	36.202907661	-107.775016301
4,437.00	65.97	316.338	4,055.00	351.64	521.01	1,893,166.330	2,740,291.785	36.202922136	-107.775033337
FTP Cms top @ 4437 MD 4055 TVD									
4,461.00	68.22	316.450	4,064.34	367.65	505.76	1,893,182.339	2,740,276.536	36.202966141	-107.775084989
4,492.00	70.99	316.070	4,075.14	388.64	485.67	1,893,203.329	2,740,256.448	36.203023836	-107.775153035
4,523.00	73.90	316.030	4,084.49	409.91	465.16	1,893,224.606	2,740,235.937	36.203082319	-107.775222513
4,555.00	76.54	315.720	4,092.66	432.12	443.62	1,893,246.814	2,740,214.397	36.203143362	-107.775295480
4,586.00	79.62	315.570	4,099.06	453.81	422.42	1,893,268.499	2,740,193.194	36.203202967	-107.775367302
4,618.00	82.91	315.330	4,103.92	476.34	400.24	1,893,291.035	2,740,171.009	36.203264914	-107.775442455
4,650.00	86.24	315.570	4,106.94	499.04	377.89	1,893,313.734	2,740,148.664	36.203327307	-107.775518149
4,681.00	88.63	315.310	4,108.33	521.11	356.16	1,893,335.799	2,740,126.936	36.203387955	-107.775591752
4,775.00	88.76	313.870	4,110.47	587.08	289.24	1,893,401.770	2,740,060.013	36.203569295	-107.775818456
4,870.00	88.91	313.300	4,112.40	652.56	220.44	1,893,467.252	2,739,991.214	36.203749292	-107.776051521
4,964.00	88.86	316.000	4,114.23	718.60	153.59	1,893,533.294	2,739,924.360	36.203930825	-107.776277993
5,058.00	89.80	316.760	4,115.33	786.65	88.74	1,893,601.338	2,739,859.518	36.204117851	-107.776497644
5,153.00	90.50	316.770	4,115.08	855.86	23.67	1,893,670.549	2,739,794.445	36.204308087	-107.776718078
5,248.00	90.63	315.850	4,114.14	924.55	-41.95	1,893,739.238	2,739,728.827	36.204496888	-107.776940359
5,342.00	89.56	314.670	4,113.99	991.31	-108.11	1,893,806.005	2,739,662.663	36.204680408	-107.777164494
5,436.00	88.31	313.250	4,115.74	1,056.55	-175.76	1,893,871.241	2,739,595.015	36.204859726	-107.777393666
5,530.00	87.31	316.120	4,119.33	1,122.60	-242.54	1,893,937.286	2,739,528.239	36.205041264	-107.777619882
5,625.00	90.11	316.480	4,121.47	1,191.25	-308.15	1,894,005.944	2,739,462.628	36.205229976	-107.777842142
5,719.00	89.80	316.270	4,121.54	1,259.30	-373.00	1,894,073.987	2,739,397.775	36.205417000	-107.778061839
5,814.00	89.31	316.190	4,122.28	1,327.90	-438.72	1,894,142.586	2,739,332.059	36.205605552	-107.778284457
5,908.00	89.24	316.080	4,123.47	1,395.66	-503.85	1,894,210.352	2,739,266.926	36.205791813	-107.778505104
6,003.00	89.04	315.830	4,124.89	1,463.94	-569.89	1,894,278.630	2,739,200.888	36.205979480	-107.778728820
6,099.00	88.15	315.230	4,127.25	1,532.43	-637.12	1,894,347.116	2,739,133.658	36.206167721	-107.778956575
6,193.00	90.06	316.320	4,128.72	1,599.78	-702.67	1,894,414.464	2,739,068.107	36.206352835	-107.779178642
6,287.00	89.89	316.160	4,128.76	1,667.67	-767.68	1,894,482.355	2,739,003.093	36.206539437	-107.779398888
6,382.00	89.32	315.650	4,129.41	1,735.89	-833.79	1,894,550.580	2,738,936.990	36.206726960	-107.779622829
6,476.00	88.55	315.350	4,131.16	1,802.93	-899.66	1,894,617.614	2,738,871.116	36.206911207	-107.779845993
6,570.00	88.07	314.680	4,133.93	1,869.38	-966.08	1,894,684.070	2,738,804.696	36.207093868	-107.780071016
6,665.00	89.76	315.930	4,135.73	1,936.90	-1,032.88	1,894,751.586	2,738,737.895	36.207279442	-107.780297324
6,759.00	90.54	315.700	4,135.48	2,004.30	-1,098.40	1,894,818.991	2,738,672.380	36.207464710	-107.780519275
6,854.00	90.78	315.610	4,134.39	2,072.24	-1,164.80	1,894,886.925	2,738,605.982	36.207651431	-107.780744221
6,948.00	91.06	314.840	4,132.88	2,138.96	-1,230.99	1,894,953.645	2,738,539.785	36.207834814	-107.780968489
7,043.00	88.86	315.680	4,132.95	2,206.43	-1,297.86	1,895,021.119	2,738,472.920	36.208020271	-107.781195019
7,137.00	88.77	315.070	4,134.89	2,273.32	-1,363.87	1,895,088.006	2,738,406.903	36.208204113	-107.781418677
7,231.00	88.90	314.890	4,136.80	2,339.75	-1,430.35	1,895,154.437	2,738,340.425	36.208386703	-107.781643898
7,325.00	89.45	314.700	4,138.16	2,405.97	-1,497.05	1,895,220.659	2,738,273.727	36.208568720	-107.781869868
7,419.00	89.97	314.900	4,138.63	2,472.21	-1,563.75	1,895,286.894	2,738,207.029	36.208750770	-107.782095841
7,514.00	90.58	314.510	4,138.18	2,539.03	-1,631.27	1,895,353.721	2,738,139.510	36.208934448	-107.782324594
7,608.00	91.05	313.390	4,136.84	2,604.26	-1,698.93	1,895,418.952	2,738,071.844	36.209113741	-107.782553853
7,702.00	88.13	314.570	4,137.51	2,669.53	-1,766.57	1,895,484.216	2,738,004.213	36.209293125	-107.782782990
7,797.00	87.63	314.220	4,141.03	2,735.95	-1,834.40	1,895,550.632	2,737,936.379	36.209475674	-107.783012815
7,891.00	87.43	313.330	4,145.08	2,800.92	-1,902.21	1,895,615.603	2,737,868.569	36.209654251	-107.783242562
7,985.00	88.72	315.550	4,148.23	2,866.69	-1,969.28	1,895,681.375	2,737,801.499	36.209835031	-107.783469803
8,079.00	89.29	316.590	4,149.87	2,934.38	-2,034.48	1,895,749.062	2,737,736.295	36.210021063	-107.783690715
8,174.00	88.96	315.280	4,151.32	3,002.63	-2,100.54	1,895,817.314	2,737,670.234	36.210208653	-107.783914530
8,268.00	89.22	314.490	4,152.81	3,068.95	-2,167.14	1,895,883.640	2,737,603.642	36.210390948	-107.784140152
8,363.00	89.83	315.960	4,153.60	3,136.39	-2,234.04	1,895,951.074	2,737,536.736	36.210576288	-107.784366838
8,458.00	90.24	315.790	4,153.54	3,204.58	-2,300.18	1,896,019.266	2,737,470.595	36.210763712	-107.784590929



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	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
8,552.00	90.38	315.540	4,153.03	3,271.81	-2,365.88	1,896,086.500	2,737,404.904	36.210948500	-107.784813498
8,646.00	90.90	315.420	4,151.98	3,338.83	-2,431.78	1,896,153.518	2,737,339.000	36.211132696	-107.785036791
8,741.00	91.49	315.290	4,150.00	3,406.41	-2,498.52	1,896,221.093	2,737,272.257	36.211318422	-107.785262926
8,836.00	89.07	316.350	4,149.54	3,474.53	-2,564.72	1,896,289.216	2,737,206.057	36.211505651	-107.785487222
8,930.00	88.45	316.150	4,151.57	3,542.42	-2,629.71	1,896,357.102	2,737,141.070	36.211692228	-107.785707406
9,024.00	88.18	315.300	4,154.33	3,609.69	-2,695.30	1,896,424.376	2,737,075.478	36.211877124	-107.785929645
9,118.00	88.45	315.400	4,157.10	3,676.53	-2,761.33	1,896,491.219	2,737,009.446	36.212060839	-107.786153377
9,213.00	88.10	314.440	4,159.96	3,743.58	-2,828.57	1,896,558.269	2,736,942.209	36.212245121	-107.786381195
9,307.00	89.15	315.520	4,162.21	3,810.01	-2,895.04	1,896,624.693	2,736,875.739	36.212427682	-107.786606413
9,402.00	89.42	314.920	4,163.40	3,877.44	-2,961.95	1,896,692.120	2,736,808.828	36.212612998	-107.786833127
9,496.00	89.60	318.620	4,164.20	3,945.91	-3,026.32	1,896,760.595	2,736,744.458	36.212801190	-107.787051224
9,590.00	89.11	318.090	4,165.26	4,016.15	-3,088.78	1,896,830.833	2,736,681.998	36.212994224	-107.787262846
9,685.00	88.28	317.820	4,167.43	4,086.68	-3,152.39	1,896,901.363	2,736,618.393	36.213188059	-107.787478352
9,779.00	87.27	317.280	4,171.07	4,155.99	-3,215.78	1,896,970.669	2,736,554.997	36.213378531	-107.787693150
9,873.00	88.66	319.260	4,174.41	4,226.09	-3,278.31	1,897,040.771	2,736,492.473	36.213571189	-107.787904992
9,967.00	89.17	318.940	4,176.19	4,297.12	-3,339.84	1,897,111.808	2,736,430.939	36.213766414	-107.788113479
10,061.00	90.85	317.960	4,176.18	4,367.47	-3,402.19	1,897,182.152	2,736,368.594	36.213959735	-107.788324715
10,156.00	90.02	317.210	4,175.46	4,437.60	-3,466.26	1,897,252.285	2,736,304.520	36.214152479	-107.788541815
10,250.00	91.33	317.270	4,174.35	4,506.61	-3,530.07	1,897,321.294	2,736,240.707	36.214342134	-107.788758035
10,345.00	90.97	316.620	4,172.44	4,576.01	-3,594.92	1,897,390.696	2,736,175.864	36.214532868	-107.788977745
10,440.00	90.28	315.880	4,171.41	4,644.63	-3,660.61	1,897,459.315	2,736,110.175	36.214721455	-107.789200325
10,534.00	89.83	315.500	4,171.31	4,711.90	-3,726.27	1,897,526.578	2,736,044.513	36.214906315	-107.789422818
10,629.00	89.51	315.720	4,171.86	4,779.78	-3,792.72	1,897,594.464	2,735,978.058	36.215092885	-107.789647998
10,723.00	89.52	315.350	4,172.66	4,846.86	-3,858.57	1,897,661.547	2,735,912.216	36.215277250	-107.789871102
10,817.00	89.36	315.000	4,173.58	4,913.53	-3,924.83	1,897,728.214	2,735,845.955	36.215460472	-107.790095630
10,911.00	89.61	314.990	4,174.42	4,979.99	-3,991.30	1,897,794.673	2,735,779.484	36.215643124	-107.790320870
11,006.00	89.60	314.280	4,175.08	5,046.74	-4,058.90	1,897,861.417	2,735,711.884	36.215826557	-107.790549936
11,100.00	90.00	313.870	4,175.40	5,112.12	-4,126.43	1,897,926.803	2,735,644.353	36.216006259	-107.790778776
11,195.00	90.16	313.820	4,175.27	5,177.93	-4,194.95	1,897,992.610	2,735,575.838	36.216187120	-107.791010950
11,289.00	90.07	312.840	4,175.08	5,242.43	-4,263.32	1,898,057.111	2,735,507.462	36.216364394	-107.791242655
11,384.00	89.57	315.410	4,175.38	5,308.57	-4,331.51	1,898,123.247	2,735,439.275	36.216546155	-107.791473717
11,478.00	89.80	315.190	4,175.90	5,375.38	-4,397.63	1,898,190.061	2,735,373.157	36.216729777	-107.791697766
11,573.00	90.23	314.730	4,175.87	5,442.51	-4,464.85	1,898,257.188	2,735,305.936	36.216914263	-107.791925557
11,667.00	90.50	314.490	4,175.27	5,508.52	-4,531.77	1,898,323.201	2,735,239.018	36.217095684	-107.792152320
11,762.00	90.66	313.700	4,174.31	5,574.62	-4,599.99	1,898,389.303	2,735,170.795	36.217277351	-107.792383511
11,856.00	88.92	315.660	4,174.66	5,640.71	-4,666.82	1,898,455.392	2,735,103.963	36.217458982	-107.792609986
11,951.00	89.37	315.540	4,176.08	5,708.58	-4,733.28	1,898,523.259	2,735,037.503	36.217645495	-107.792835200
12,045.00	89.48	314.780	4,177.02	5,775.23	-4,799.56	1,898,589.908	2,734,971.224	36.217828663	-107.793059798
12,139.00	89.77	314.340	4,177.63	5,841.18	-4,866.54	1,898,655.862	2,734,904.250	36.218009921	-107.793286761
12,233.00	90.13	314.520	4,177.72	5,906.99	-4,933.66	1,898,721.665	2,734,837.124	36.218190765	-107.793514236
12,327.00	90.08	313.670	4,177.54	5,972.39	-5,001.17	1,898,787.075	2,734,769.615	36.218370525	-107.793743011
12,422.00	90.85	313.390	4,176.77	6,037.82	-5,070.04	1,898,852.501	2,734,700.742	36.218550336	-107.793976414
12,516.00	91.53	313.390	4,174.82	6,102.38	-5,138.34	1,898,917.061	2,734,632.448	36.218727764	-107.794207855
12,611.00	91.84	313.040	4,172.03	6,167.40	-5,207.54	1,898,982.083	2,734,563.243	36.218906461	-107.794442384
Survey @ 12611.00 MD 4172.03 TVD									
12,636.00	91.84	313.040	4,171.22	6,184.46	-5,225.80	1,898,999.137	2,734,544.981	36.218953330	-107.794504274
LTP @ 12636 MD 4171.22 TVD									
12,659.00	91.84	313.040	4,170.49	6,200.15	-5,242.61	1,899,014.826	2,734,528.179	36.218996449	-107.794561214
330 perp @ 12659.00 MD 4170.49 TVD									
12,753.00	91.84	313.040	4,167.47	6,264.27	-5,311.27	1,899,078.949	2,734,459.512	36.219172675	-107.794793922
Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 830H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensgin 773)
Well:	W Lybrook Unit No. 830H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,522.00	2,458.94		9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
431.00	430.99	1.63	-2.07	MWD surveys
2,522.00	2,458.94	-57.19	307.46	9 5/8" Casing @ 2522.00 MD 2458.94 TVD
4,437.00	4,055.00	351.64	521.01	FTP Cms top @ 4437 MD 4055 TVD
12,611.00	4,172.03	6,167.40	-5,207.54	Survey @ 12611.00 MD 4172.03 TVD
12,636.00	4,171.22	6,184.46	-5,225.80	LTP @ 12636 MD 4171.22 TVD
12,659.00	4,170.49	6,200.15	-5,242.61	330 perp @ 12659.00 MD 4170.49 TVD
12,753.00	4,167.47	6,264.27	-5,311.27	Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL

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 109065

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 109065
	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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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 109065

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 109065
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/25/2023