

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 30-045-38200	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 332891	⁸ Property Name GREATER LYBROOK UNIT		⁹ Well Number #763H

II. ¹⁰ Surface Location

UL or lot no. C	Section 27	Township 23N	Range 9W	Lot Idn	Feet from the 1181'	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 139'	North/South line North	Feet from the 1699'	East/West line West	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 2/10/2022	²² Ready Date 8/4/2022	²³ TD 13737' MD 4591' TVD	²⁴ PBDT 13618' MD 4590' TVD	²⁵ Perforations ~ 4806' - 13613' MD ~ 4489'-4590' 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		360.71' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2525' MD		610 sx- surface
8-1/2"		5-1/2",17#, P-110		13737' MD		2046 sx- surface
8-1/2"		2-7/8",6.5#, L-80		4735'		NA

V. Well Test Data

³¹ Date New Oil 8/8/2022	³² Gas Delivery Date 8/4/2022	³³ Test Date 8/4/2022	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure 455	³⁶ Csg. Pressure 1137
³⁷ Choke Size 64/64	³⁸ Oil 79	³⁹ Water 0	⁴⁰ Gas 316		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>	OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>
Printed name: Kayla White	Title: <i>PETROLEUM SPECIALIST</i>
Title: Environmental Engineer	Approval Date: <i>10/26/2023</i>
E-mail Address: kwhite@cdhconsult.com	
Date: 9/7/2022	Phone: 720-768-3575



ENDURING RESOURCES IV LLC

May 19, 2022

Re: W LYBROOK UNIT 763H-30-045-38200

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
1100 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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Santa Fe, NM 87505

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38200	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 763H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

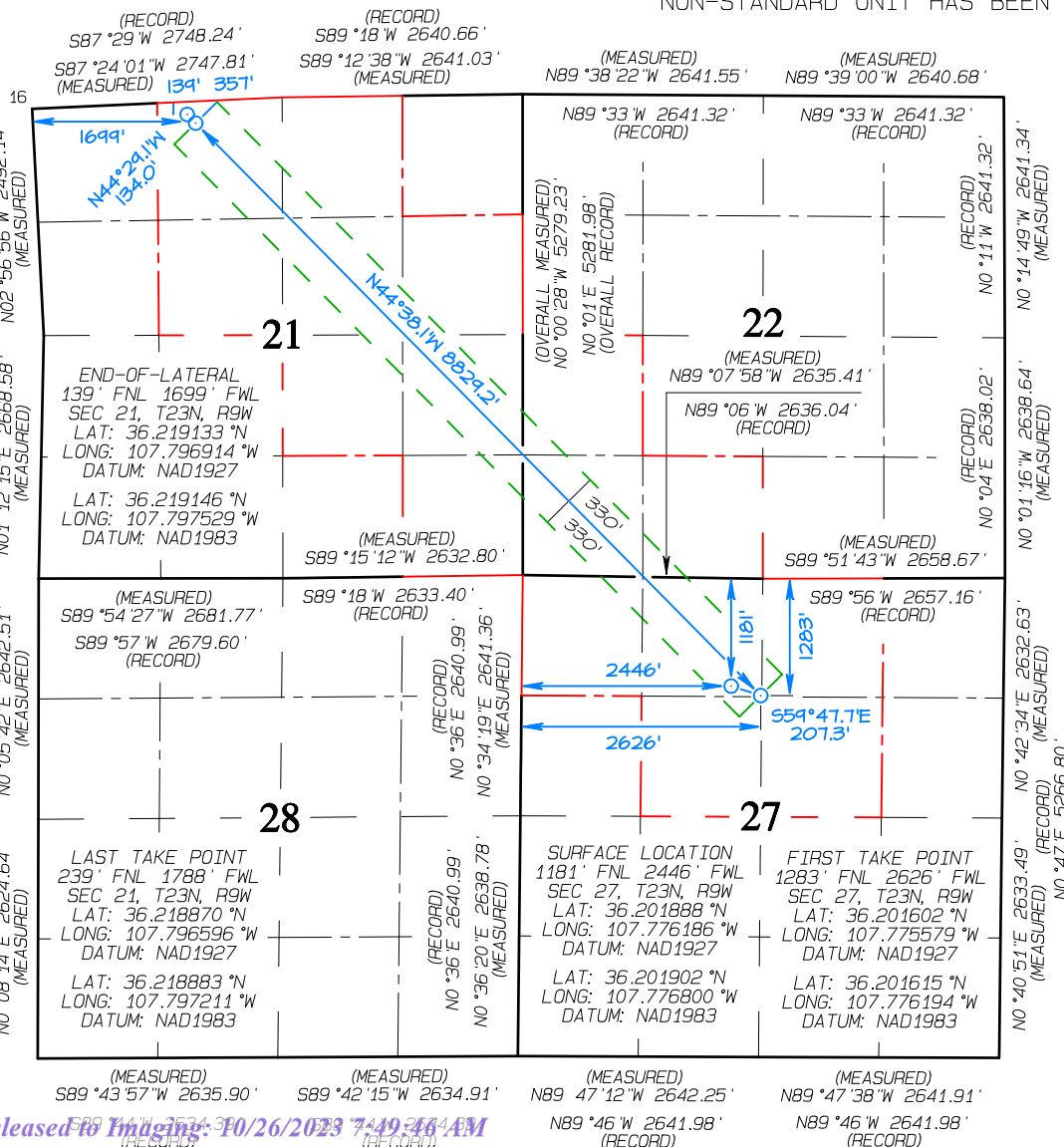
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	23N	9W		1181	NORTH	2446	WEST	SAN JUAN

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		139	NORTH	1699	WEST	SAN JUAN

¹² Dedicated Acres 640.00	N/2 NW/4, SE/4 NW/4 W/2 NE/4 - Section 27 E/2 NW/4, W/2 NE/4, SE/4 NE/4 N/2 SE/4, SE/4 SE/4 - Section 21 W/2 SW/4, SE/4 SW/4 - Section 22	¹³ Joint or Infill	¹⁴ Consolidation Code R-22081	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature: Heather Huntington Date: 8/16/22
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresource.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 9, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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

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⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

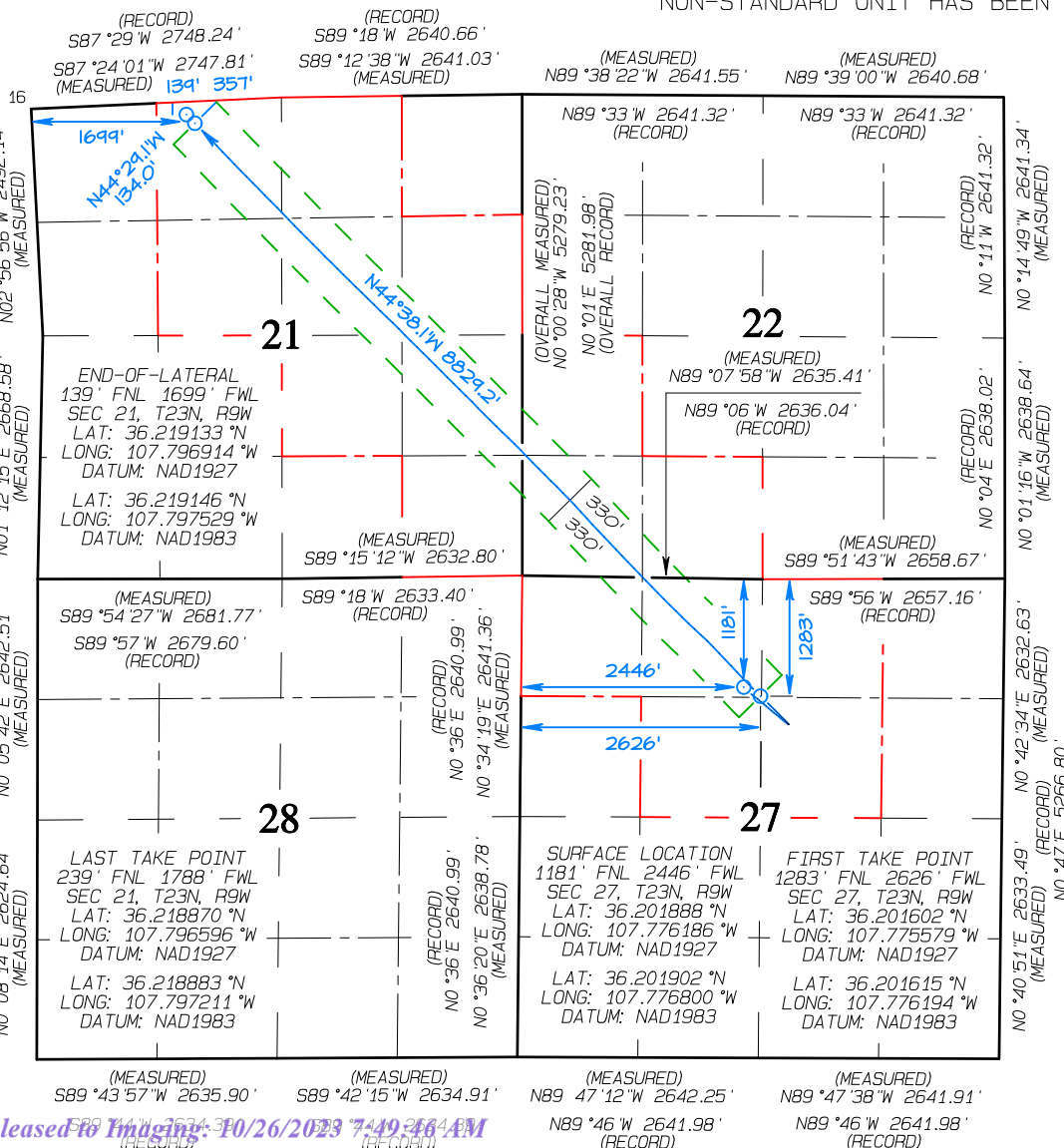
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C	21	23N	9W		139	NORTH	1699	WEST	SAN JUAN

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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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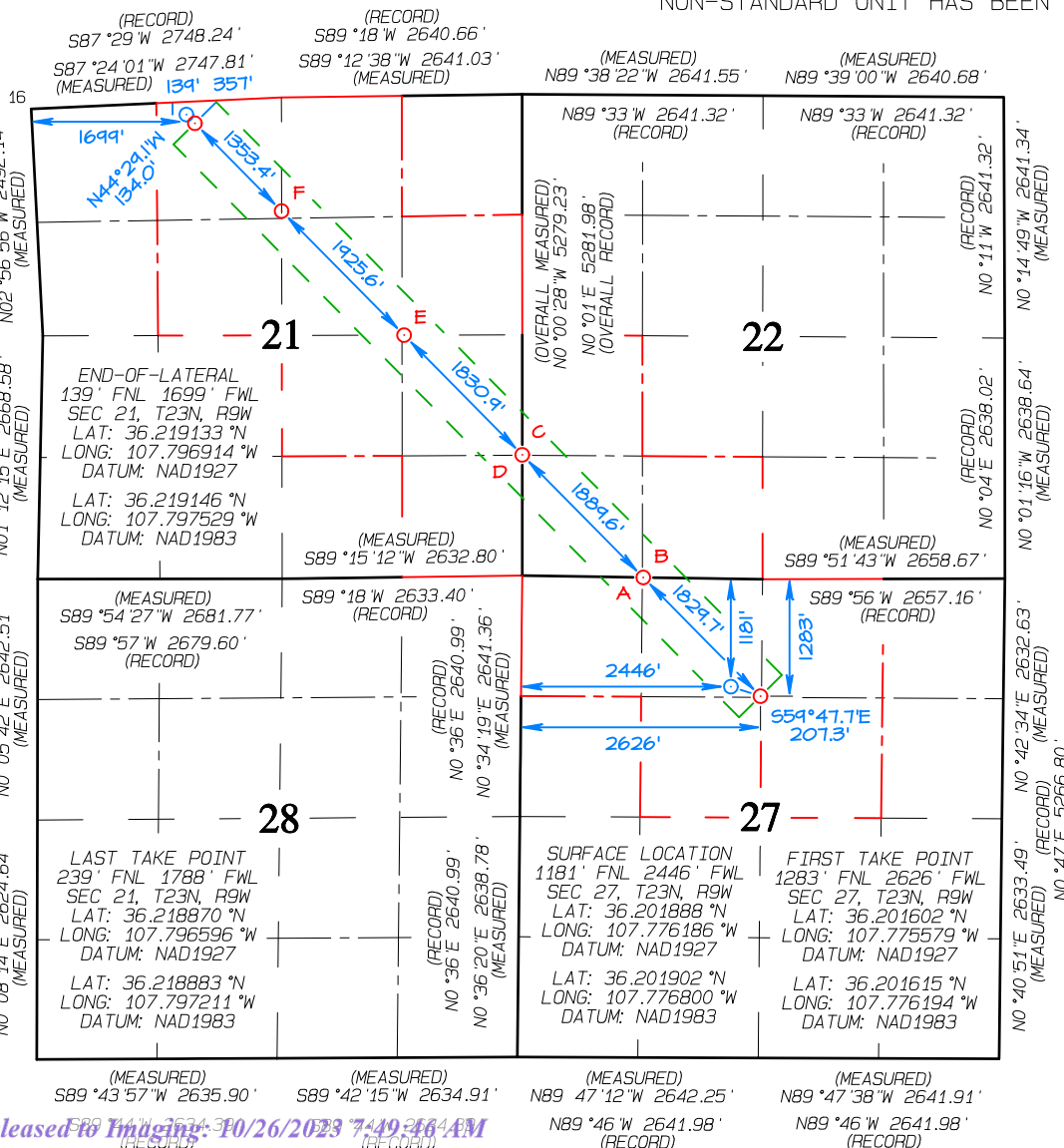
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Date Revised: MAY 9, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

(A) 0' FNL 1328' FWL
SEC 27, T23N, R9W
LAT: 36.205181 °N
LONG: 107.779934 °W
DATUM: NAD1927

LAT: 36.205194 °N
LONG: 107.780548 °W
DATUM: NAD1983

(B) 0' FSL 1328' FWL
SEC 22, T23N, R9W
LAT: 36.205181 °N
LONG: 107.779934 °W
DATUM: NAD1927

LAT: 36.205194 °N
LONG: 107.780548 °W
DATUM: NAD1983

(C) 1325' FSL 0' FWL
SEC 22, T23N, R9W
LAT: 36.208877 °N
LONG: 107.784432 °W
DATUM: NAD1927

LAT: 36.208890 °N
LONG: 107.785046 °W
DATUM: NAD1983

(D) 1325' FSL 0' FEL
SEC 21, T23N, R9W
LAT: 36.208877 °N
LONG: 107.784432 °W
DATUM: NAD1927

LAT: 36.208890 °N
LONG: 107.785046 °W
DATUM: NAD1983

(E) 2644' FSL 1286' FEL
SEC 21, T23N, R9W
LAT: 36.212457 °N
LONG: 107.788790 °W
DATUM: NAD1927

LAT: 36.212471 °N
LONG: 107.789405 °W
DATUM: NAD1983

(F) 1245' FNL 2639' FEL
SEC 21, T23N, R9W
LAT: 36.216223 °N
LONG: 107.793374 °W
DATUM: NAD1927

LAT: 36.216236 °N
LONG: 107.793989 °W
DATUM: NAD1983



Company: Enduring Resources LLC
Well: W Lybrook Unit No. 763H
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 1892794.671 Easting 2739770.786 Latitude 36.201902000 Longitude -107.776800000

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

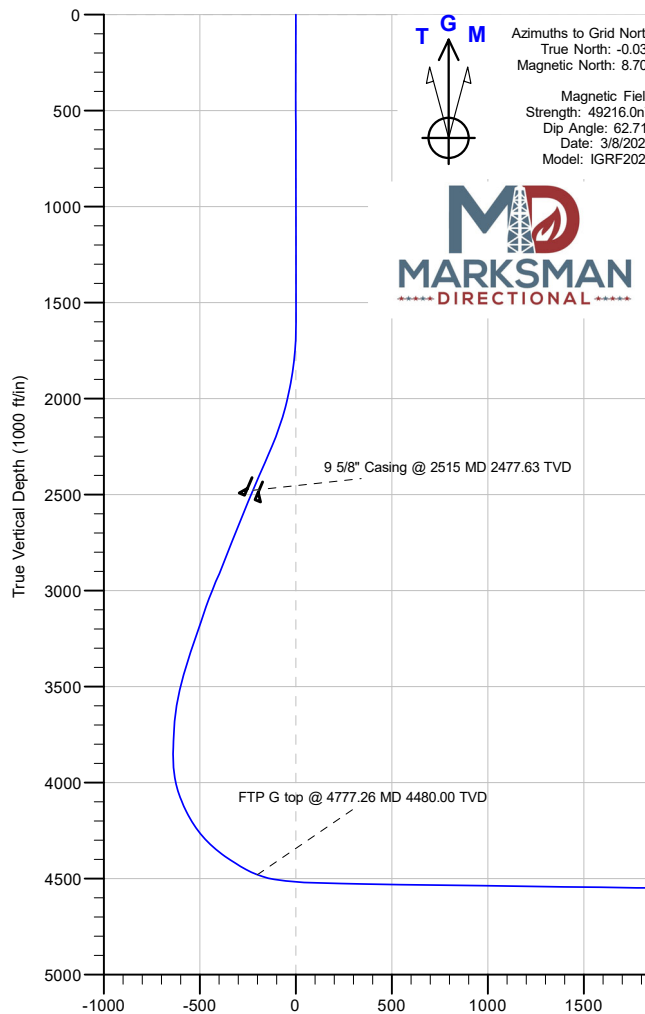
CASING DETAILS

TVD	MD	Name
2515.00	2555.67	9 5/8"



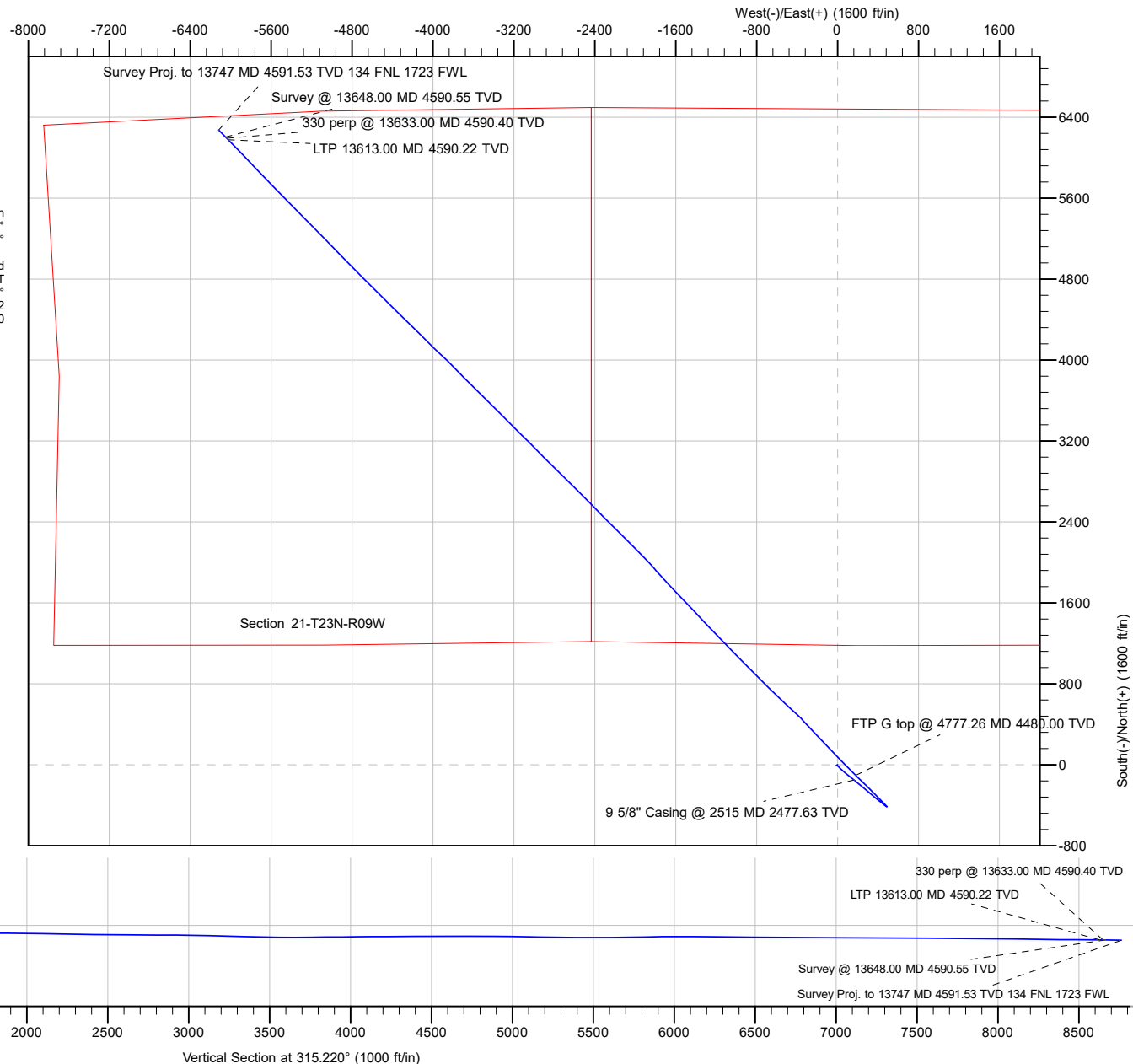
Azimuths to Grid North
 True North: -0.03°
 Magnetic North: 8.70°

Magnetic Field
 Strength: 49216.0nT
 Dip Angle: 62.71°
 Date: 3/8/2022
 Model: IGRF2020



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
431.00	0.88	220.030	430.98	-2.53	-2.13	-0.30	MWD surveys
2515.00	23.31	128.199	2477.63	-149.89	164.97	-222.60	9 5/8" Casing @ 2515 MD 2477.63 TVD
4777.26	69.18	314.055	4480.00	-104.35	178.98	-200.14	FTP G top @ 4777.26 MD 4480.00 TVD
13613.00	89.49	315.547	4590.22	6178.54	-6024.26	8629.04	LTP 13613.00 MD 4590.22 TVD
13633.00	89.46	315.526	4590.40	6192.82	-6038.27	8649.04	330 perp @ 13633.00 MD 4590.40 TVD
13648.00	89.43	315.510	4590.55	6203.52	-6048.78	8664.04	Survey @ 13648.00 MD 4590.55 TVD
13747.00	89.43	315.510	4591.53	6274.14	-6118.16	8763.03	Survey Proj. to 13747 MD 4591.53 TVD 134 FNL 1723 FNL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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. 763H, Surf loc: 1181 FNL 2446 FWL Section 27-T23N-R09W		
Well Position	+N/-S	0.00 ft	Northing: 1,892,794.671 usft
	+E/-W	0.00 ft	Easting: 2,739,770.786 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	49,216.04446918

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	315.220	

Survey Program	Date	4/19/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
431.00	2,453.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,584.00	13,648.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,747.00	13,747.00	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	0.88	220.030	430.98	-2.53	-2.13	-0.30	0.20	0.20	0.00
MWD surveys									
493.00	0.79	247.010	492.98	-3.07	-2.83	-0.18	0.64	-0.15	43.52
584.00	0.62	223.370	583.97	-3.67	-3.74	0.03	0.37	-0.19	-25.98
675.00	0.75	247.010	674.96	-4.26	-4.63	0.24	0.34	0.14	25.98
766.00	0.48	240.330	765.96	-4.68	-5.51	0.56	0.31	-0.30	-7.34
857.00	0.57	234.000	856.95	-5.14	-6.21	0.73	0.12	0.10	-6.96



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
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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	0.13	180.390	947.95	-5.50	-6.57	0.72	0.55	-0.48	-58.91
1,039.00	0.35	272.940	1,038.95	-5.59	-6.85	0.86	0.42	0.24	101.70
1,132.00	0.35	250.790	1,131.95	-5.67	-7.40	1.19	0.14	0.00	-23.82
1,226.00	0.53	229.430	1,225.95	-6.05	-8.01	1.35	0.26	0.19	-22.72
1,320.00	0.35	50.750	1,319.95	-6.15	-8.11	1.35	0.94	-0.19	-190.09
1,414.00	0.75	34.140	1,413.94	-5.46	-7.55	1.44	0.45	0.43	-17.67
1,508.00	0.62	69.740	1,507.94	-4.77	-6.72	1.35	0.46	-0.14	37.87
1,603.00	0.57	48.820	1,602.93	-4.29	-5.89	1.10	0.23	-0.05	-22.02
1,697.00	2.33	126.070	1,696.90	-5.10	-3.99	-0.81	2.42	1.87	82.18
1,791.00	6.11	133.720	1,790.63	-9.69	1.17	-7.70	4.06	4.02	8.14
1,886.00	9.32	133.110	1,884.76	-18.44	10.44	-20.45	3.38	3.38	-0.64
1,981.00	12.13	136.710	1,978.09	-30.97	22.91	-38.12	3.04	2.96	3.79
2,075.00	15.78	134.160	2,069.30	-47.06	38.85	-60.78	3.94	3.88	-2.71
2,170.00	19.60	132.750	2,159.79	-66.89	59.83	-89.62	4.05	4.02	-1.48
2,264.00	22.68	128.360	2,247.46	-88.84	85.63	-123.38	3.68	3.28	-4.67
2,358.00	23.95	127.660	2,333.78	-111.75	114.94	-160.28	1.38	1.35	-0.74
2,453.00	23.55	126.780	2,420.74	-134.89	145.41	-198.17	0.56	-0.42	-0.93
2,515.00	23.31	128.199	2,477.63	-149.89	164.97	-222.60	0.99	-0.39	2.29
9 5/8" Casing @ 2515 MD 2477.63 TVD									
2,584.00	23.05	129.810	2,541.06	-166.98	186.07	-249.59	0.99	-0.37	2.34
2,678.00	22.44	130.580	2,627.75	-190.43	213.83	-285.79	0.72	-0.65	0.82
2,772.00	21.59	130.380	2,714.90	-213.31	240.63	-320.91	0.91	-0.90	-0.21
2,867.00	20.39	130.220	2,803.59	-235.32	266.58	-354.81	1.26	-1.26	-0.17
2,983.00	23.43	130.480	2,911.20	-263.35	299.56	-397.94	2.62	2.62	0.22
3,076.00	22.04	130.230	2,996.97	-286.62	326.95	-433.75	1.50	-1.49	-0.27
3,171.00	20.23	128.920	3,085.58	-308.45	353.34	-467.83	1.97	-1.91	-1.38
3,266.00	17.51	128.430	3,175.46	-327.66	377.32	-498.36	2.87	-2.86	-0.52
3,359.00	18.89	129.680	3,263.81	-345.97	399.87	-527.23	1.54	1.48	1.34
3,453.00	18.09	129.350	3,352.96	-364.94	422.86	-556.90	0.86	-0.85	-0.35
3,548.00	16.81	128.680	3,443.58	-382.88	444.99	-585.22	1.36	-1.35	-0.71
3,642.00	11.97	127.150	3,534.61	-397.27	463.38	-608.39	5.16	-5.15	-1.63
3,736.00	7.76	125.000	3,627.20	-406.80	476.36	-624.29	4.50	-4.48	-2.29
3,831.00	3.91	117.170	3,721.69	-411.96	484.50	-633.69	4.13	-4.05	-8.24
3,925.00	1.54	118.750	3,815.57	-414.03	488.46	-637.95	2.52	-2.52	1.68
3,988.00	0.47	336.900	3,878.57	-414.20	489.10	-638.52	3.07	-1.70	-225.16
4,019.00	3.18	321.090	3,909.55	-413.41	488.51	-637.54	8.81	8.74	-51.00
4,050.00	6.85	317.300	3,940.42	-411.38	486.71	-634.84	11.88	11.84	-12.23
4,082.00	10.01	317.660	3,972.08	-407.92	483.54	-630.15	9.88	9.88	1.13
4,113.00	12.66	317.540	4,002.47	-403.42	479.44	-624.07	8.55	8.55	-0.39
4,145.00	15.94	317.870	4,033.47	-397.58	474.12	-616.17	10.25	10.25	1.03
4,177.00	19.04	318.360	4,063.99	-390.42	467.70	-606.57	9.70	9.69	1.53
4,208.00	21.56	317.600	4,093.06	-382.43	460.50	-595.83	8.17	8.13	-2.45
4,240.00	24.00	315.400	4,122.56	-373.45	451.97	-583.44	8.08	7.63	-6.88
4,271.00	26.43	313.920	4,150.61	-364.18	442.57	-570.24	8.10	7.84	-4.77



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,302.00	29.20	314.030	4,178.02	-354.13	432.16	-555.78	8.94	8.94	0.35
4,334.00	32.03	314.730	4,205.56	-342.73	420.52	-539.48	8.91	8.84	2.19
4,365.00	34.97	315.640	4,231.41	-330.59	408.46	-522.38	9.62	9.48	2.94
4,397.00	37.60	315.880	4,257.20	-317.03	395.25	-503.44	8.23	8.22	0.75
4,428.00	40.50	316.300	4,281.27	-302.96	381.71	-483.92	9.39	9.35	1.35
4,460.00	44.23	315.360	4,304.91	-287.50	366.68	-462.36	11.82	11.66	-2.94
4,491.00	47.71	314.980	4,326.46	-271.70	350.97	-440.07	11.26	11.23	-1.23
4,522.00	50.15	314.750	4,346.82	-255.21	334.41	-416.70	7.89	7.87	-0.74
4,554.00	52.21	314.410	4,366.88	-237.71	316.65	-391.78	6.49	6.44	-1.06
4,585.00	53.89	314.380	4,385.51	-220.38	298.95	-367.00	5.42	5.42	-0.10
4,617.00	56.51	314.440	4,403.77	-201.99	280.18	-340.73	8.19	8.19	0.19
4,649.00	58.87	314.130	4,420.88	-183.11	260.82	-313.69	7.42	7.38	-0.97
4,680.00	59.08	313.980	4,436.85	-164.64	241.73	-287.13	0.79	0.68	-0.48
4,712.00	61.51	313.750	4,452.71	-145.38	221.69	-259.35	7.62	7.59	-0.72
4,743.00	64.98	313.810	4,466.66	-126.23	201.71	-231.68	11.19	11.19	0.19
4,774.00	68.79	313.980	4,478.83	-106.47	181.16	-203.18	12.30	12.29	0.55
4,777.26	69.18	314.055	4,480.00	-104.35	178.98	-200.14	12.16	11.96	2.30
FTP G top @ 4777.26 MD 4480.00 TVD									
4,806.00	72.62	314.700	4,489.40	-85.36	159.57	-172.99	12.16	11.97	2.24
4,838.00	76.19	315.150	4,498.01	-63.60	137.75	-142.17	11.24	11.16	1.41
4,869.00	79.11	315.690	4,504.63	-42.03	116.50	-111.89	9.57	9.42	1.74
4,900.00	82.35	315.880	4,509.63	-20.10	95.17	-81.30	10.47	10.45	0.61
4,963.00	86.58	315.970	4,515.70	24.94	51.56	-18.62	6.72	6.71	0.14
5,058.00	86.65	316.030	4,521.31	93.15	-14.32	76.21	0.10	0.07	0.06
5,152.00	89.15	316.140	4,524.76	160.82	-79.47	170.13	2.66	2.66	0.12
5,247.00	88.82	316.160	4,526.44	229.32	-145.27	265.10	0.35	-0.35	0.02
5,341.00	88.83	316.470	4,528.37	297.28	-210.18	359.06	0.33	0.01	0.33
5,435.00	89.00	317.040	4,530.15	365.74	-274.57	453.01	0.63	0.18	0.61
5,529.00	89.37	317.590	4,531.48	434.83	-338.29	546.94	0.71	0.39	0.59
5,624.00	89.53	312.780	4,532.40	502.20	-405.23	641.91	5.07	0.17	-5.06
5,718.00	89.13	312.520	4,533.50	565.88	-474.36	735.81	0.51	-0.43	-0.28
5,813.00	88.79	312.380	4,535.22	629.99	-544.45	830.68	0.39	-0.36	-0.15
5,907.00	89.54	314.770	4,536.59	694.77	-612.54	924.62	2.66	0.80	2.54
6,002.00	89.31	314.710	4,537.54	761.64	-680.01	1,019.61	0.25	-0.24	-0.06
6,098.00	88.94	314.770	4,539.01	829.20	-748.19	1,115.60	0.39	-0.39	0.06
6,192.00	88.89	314.650	4,540.79	895.32	-814.98	1,209.58	0.14	-0.05	-0.13
6,286.00	88.98	315.290	4,542.54	961.74	-881.48	1,303.56	0.69	0.10	0.68
6,381.00	89.29	315.710	4,543.97	1,029.49	-948.05	1,398.55	0.55	0.33	0.44
6,475.00	89.64	316.040	4,544.85	1,096.97	-1,013.50	1,492.54	0.51	0.37	0.35
6,569.00	89.47	315.890	4,545.58	1,164.54	-1,078.83	1,586.53	0.24	-0.18	-0.16
6,664.00	89.13	315.600	4,546.74	1,232.58	-1,145.12	1,681.52	0.47	-0.36	-0.31
6,758.00	89.11	315.720	4,548.18	1,299.80	-1,210.81	1,775.50	0.13	-0.02	0.13
6,853.00	89.35	316.280	4,549.46	1,368.13	-1,276.80	1,870.48	0.64	0.25	0.59



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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)
6,947.00	89.76	316.930	4,550.19	1,436.43	-1,341.38	1,964.45	0.82	0.44	0.69
7,042.00	89.58	316.950	4,550.74	1,505.84	-1,406.24	2,059.41	0.19	-0.19	0.02
7,136.00	89.08	316.360	4,551.84	1,574.20	-1,470.76	2,153.37	0.82	-0.53	-0.63
7,230.00	88.69	316.400	4,553.66	1,642.23	-1,535.59	2,247.34	0.42	-0.41	0.04
7,324.00	88.81	316.430	4,555.72	1,710.31	-1,600.38	2,341.29	0.13	0.13	0.03
7,418.00	89.24	317.160	4,557.32	1,778.81	-1,664.73	2,435.24	0.90	0.46	0.78
7,513.00	89.77	317.620	4,558.14	1,848.73	-1,729.04	2,530.17	0.74	0.56	0.48
7,607.00	89.45	317.760	4,558.78	1,918.24	-1,792.31	2,624.08	0.37	-0.34	0.15
7,701.00	89.47	318.110	4,559.66	1,988.02	-1,855.29	2,717.97	0.37	0.02	0.37
7,796.00	89.83	314.980	4,560.24	2,056.98	-1,920.62	2,812.93	3.32	0.38	-3.29
7,890.00	89.69	315.470	4,560.64	2,123.70	-1,986.82	2,906.93	0.54	-0.15	0.52
7,984.00	89.41	315.100	4,561.37	2,190.50	-2,052.96	3,000.93	0.49	-0.30	-0.39
8,078.00	88.88	314.490	4,562.78	2,256.72	-2,119.65	3,094.91	0.86	-0.56	-0.65
8,173.00	88.50	315.200	4,564.95	2,323.70	-2,186.99	3,189.89	0.85	-0.40	0.75
8,267.00	88.29	315.030	4,567.58	2,390.27	-2,253.30	3,283.85	0.29	-0.22	-0.18
8,362.00	88.47	315.550	4,570.27	2,457.76	-2,320.11	3,378.81	0.58	0.19	0.55
8,457.00	88.66	315.800	4,572.65	2,525.70	-2,386.47	3,473.78	0.33	0.20	0.26
8,551.00	89.09	316.430	4,574.49	2,593.43	-2,451.62	3,567.75	0.81	0.46	0.67
8,647.00	90.71	313.820	4,574.66	2,661.46	-2,519.34	3,663.74	3.20	1.69	-2.72
8,740.00	90.97	314.180	4,573.30	2,726.05	-2,586.23	3,756.70	0.48	0.28	0.39
8,835.00	90.70	314.440	4,571.91	2,792.41	-2,654.20	3,851.68	0.39	-0.28	0.27
8,929.00	90.30	314.580	4,571.09	2,858.30	-2,721.24	3,945.67	0.45	-0.43	0.15
9,023.00	90.27	314.620	4,570.62	2,924.30	-2,788.17	4,039.66	0.05	-0.03	0.04
9,117.00	90.54	315.130	4,569.96	2,990.62	-2,854.78	4,133.66	0.61	0.29	0.54
9,212.00	90.53	315.580	4,569.07	3,058.21	-2,921.53	4,228.66	0.47	-0.01	0.47
9,306.00	90.96	315.870	4,567.85	3,125.51	-2,987.15	4,322.64	0.55	0.46	0.31
9,401.00	89.82	314.070	4,567.20	3,192.64	-3,054.35	4,417.63	2.24	-1.20	-1.89
9,495.00	89.94	314.630	4,567.40	3,258.35	-3,121.57	4,511.62	0.61	0.13	0.60
9,589.00	90.04	314.840	4,567.42	3,324.51	-3,188.34	4,605.62	0.25	0.11	0.22
9,684.00	90.09	315.340	4,567.31	3,391.79	-3,255.41	4,700.62	0.53	0.05	0.53
9,778.00	90.52	315.980	4,566.81	3,459.02	-3,321.11	4,794.61	0.82	0.46	0.68
9,872.00	88.92	314.280	4,567.27	3,525.63	-3,387.42	4,888.61	2.48	-1.70	-1.81
9,966.00	89.09	314.510	4,568.90	3,591.38	-3,454.58	4,982.58	0.30	0.18	0.24
10,060.00	89.12	314.480	4,570.37	3,657.26	-3,521.62	5,076.56	0.05	0.03	-0.03
10,155.00	88.88	314.510	4,572.03	3,723.83	-3,589.38	5,171.54	0.25	-0.25	0.03
10,249.00	89.17	315.130	4,573.63	3,790.08	-3,656.04	5,265.53	0.73	0.31	0.66
10,344.00	89.41	315.710	4,574.80	3,857.74	-3,722.72	5,360.52	0.66	0.25	0.61
10,439.00	89.40	316.070	4,575.79	3,925.94	-3,788.84	5,455.51	0.38	-0.01	0.38
10,533.00	90.74	313.380	4,575.67	3,992.08	-3,855.62	5,549.49	3.20	1.43	-2.86
10,628.00	90.87	313.660	4,574.34	4,057.49	-3,924.50	5,644.44	0.32	0.14	0.29
10,722.00	90.76	313.740	4,573.00	4,122.43	-3,992.45	5,738.40	0.14	-0.12	0.09
10,816.00	90.94	314.380	4,571.61	4,187.79	-4,059.99	5,832.37	0.71	0.19	0.68
10,911.00	91.33	314.870	4,569.73	4,254.51	-4,127.59	5,927.34	0.66	0.41	0.52



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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)
11,005.00	89.48	314.420	4,569.06	4,320.56	-4,194.46	6,021.33	2.03	-1.97	-0.48
11,099.00	89.40	314.220	4,569.98	4,386.23	-4,261.71	6,115.31	0.23	-0.09	-0.21
11,193.00	89.78	314.640	4,570.65	4,452.04	-4,328.84	6,209.30	0.60	0.40	0.45
11,288.00	89.70	314.670	4,571.08	4,518.80	-4,396.41	6,304.30	0.09	-0.08	0.03
11,383.00	89.71	314.870	4,571.57	4,585.71	-4,463.86	6,399.29	0.21	0.01	0.21
11,478.00	89.44	314.920	4,572.28	4,652.76	-4,531.15	6,494.29	0.29	-0.28	0.05
11,572.00	89.44	314.950	4,573.20	4,719.15	-4,597.69	6,588.28	0.03	0.00	0.03
11,667.00	89.61	315.170	4,573.98	4,786.39	-4,664.80	6,683.28	0.29	0.18	0.23
11,761.00	89.66	315.150	4,574.58	4,853.04	-4,731.08	6,777.28	0.06	0.05	-0.02
11,855.00	89.34	315.190	4,575.40	4,919.71	-4,797.35	6,871.27	0.34	-0.34	0.04
11,949.00	89.30	315.270	4,576.52	4,986.43	-4,863.54	6,965.27	0.10	-0.04	0.09
12,044.00	89.53	315.520	4,577.49	5,054.07	-4,930.25	7,060.26	0.36	0.24	0.26
12,138.00	89.84	315.890	4,578.01	5,121.35	-4,995.89	7,154.26	0.51	0.33	0.39
12,232.00	90.03	317.010	4,578.11	5,189.48	-5,060.66	7,248.23	1.21	0.20	1.19
12,326.00	89.52	314.710	4,578.48	5,256.93	-5,126.11	7,342.22	2.51	-0.54	-2.45
12,421.00	89.71	315.420	4,579.12	5,324.18	-5,193.21	7,437.22	0.77	0.20	0.75
12,515.00	89.90	315.400	4,579.44	5,391.12	-5,259.20	7,531.22	0.20	0.20	-0.02
12,609.00	89.71	315.310	4,579.76	5,458.00	-5,325.26	7,625.22	0.22	-0.20	-0.10
12,704.00	89.87	315.830	4,580.11	5,525.84	-5,391.76	7,720.21	0.57	0.17	0.55
12,799.00	89.47	315.200	4,580.66	5,593.61	-5,458.33	7,815.21	0.79	-0.42	-0.66
12,893.00	89.19	315.560	4,581.75	5,660.51	-5,524.35	7,909.20	0.49	-0.30	0.38
12,988.00	89.39	315.820	4,582.93	5,728.49	-5,590.70	8,004.19	0.35	0.21	0.27
13,082.00	88.89	315.890	4,584.34	5,795.93	-5,656.16	8,098.17	0.54	-0.53	0.07
13,176.00	89.09	316.440	4,586.00	5,863.73	-5,721.26	8,192.15	0.62	0.21	0.59
13,270.00	89.22	317.500	4,587.39	5,932.43	-5,785.39	8,286.09	1.14	0.14	1.13
13,365.00	89.72	315.740	4,588.27	6,001.47	-5,850.64	8,381.05	1.93	0.53	-1.85
13,459.00	89.44	315.440	4,588.95	6,068.62	-5,916.41	8,475.05	0.44	-0.30	-0.32
13,553.00	89.60	315.610	4,589.74	6,135.69	-5,982.27	8,569.05	0.25	0.17	0.18
13,613.00	89.49	315.547	4,590.22	6,178.54	-6,024.26	8,629.04	0.21	-0.18	-0.11
LTP 13613.00 MD 4590.22 TVD									
13,633.00	89.46	315.526	4,590.40	6,192.82	-6,038.27	8,649.04	0.21	-0.18	-0.11
330 perp @ 13633.00 MD 4590.40 TVD									
13,648.00	89.43	315.510	4,590.55	6,203.52	-6,048.78	8,664.04	0.21	-0.18	-0.11
Survey @ 13648.00 MD 4590.55 TVD									
13,747.00	89.43	315.510	4,591.53	6,274.14	-6,118.16	8,763.03	0.00	0.00	0.00
Survey Proj. to 13747 MD 4591.53 TVD 134 FNL 1723 FWL									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,555.67	2,515.00	9 5/8"	9-5/8	12-1/4



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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	430.98	-2.53	-2.13	MWD surveys
2,515.00	2,477.63	-149.89	164.97	9 5/8" Casing @ 2515 MD 2477.63 TVD
4,777.26	4,480.00	-104.35	178.98	FTP G top @ 4777.26 MD 4480.00 TVD
13,613.00	4,590.22	6,178.54	-6,024.26	LTP 13613.00 MD 4590.22 TVD
13,633.00	4,590.40	6,192.82	-6,038.27	330 perp @ 13633.00 MD 4590.40 TVD
13,648.00	4,590.55	6,203.52	-6,048.78	Survey @ 13648.00 MD 4590.55 TVD
13,747.00	4,591.53	6,274.14	-6,118.16	Survey Proj. to 13747 MD 4591.53 TVD 134 FNL 1723 FWL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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. 763H, Surf loc: 1181 FNL 2446 FWL Section 27-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,892,794.671 usft	Latitude:	36.201902000
	+E/-W	0.00 ft	Easting:	2,739,770.786 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	3/8/2022	8.74	62.71	49,216.04446918

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	315.220	

Survey Program	Date	4/19/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
431.00	2,453.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,584.00	13,648.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
13,747.00	13,747.00	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	1,892,794.671	2,739,770.786	36.201902000	-107.776800000
431.00	0.88	220.030	430.98	-2.53	-2.13	1,892,792.137	2,739,768.657	36.201895041	-107.776807221
MWD surveys									
493.00	0.79	247.010	492.98	-3.07	-2.83	1,892,791.605	2,739,767.958	36.201893582	-107.776809593
584.00	0.62	223.370	583.97	-3.67	-3.74	1,892,791.002	2,739,767.042	36.201891927	-107.776812698
675.00	0.75	247.010	674.96	-4.26	-4.63	1,892,790.412	2,739,766.156	36.201890307	-107.776815703
766.00	0.48	240.330	765.96	-4.68	-5.51	1,892,789.991	2,739,765.276	36.201889151	-107.776818685
857.00	0.57	234.000	856.95	-5.14	-6.21	1,892,789.536	2,739,764.579	36.201887903	-107.776821050
948.00	0.13	180.390	947.95	-5.50	-6.57	1,892,789.167	2,739,764.212	36.201886889	-107.776822294
1,039.00	0.35	272.940	1,038.95	-5.59	-6.85	1,892,789.078	2,739,763.934	36.201886645	-107.776823238



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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	0.35	250.790	1,131.95	-5.67	-7.40	1,892,788.999	2,739,763.382	36.201886429	-107.776825108
1,226.00	0.53	229.430	1,225.95	-6.05	-8.01	1,892,788.621	2,739,762.780	36.201885394	-107.776827147
1,320.00	0.35	50.750	1,319.95	-6.15	-8.11	1,892,788.520	2,739,762.673	36.201885116	-107.776827513
1,414.00	0.75	34.140	1,413.94	-5.46	-7.55	1,892,789.211	2,739,763.240	36.201887013	-107.776825588
1,508.00	0.62	69.740	1,507.94	-4.77	-6.72	1,892,789.896	2,739,764.062	36.201888894	-107.776822799
1,603.00	0.57	48.820	1,602.93	-4.29	-5.89	1,892,790.386	2,739,764.900	36.201890237	-107.776819959
1,697.00	2.33	126.070	1,696.90	-5.10	-3.99	1,892,789.568	2,739,766.797	36.201887988	-107.776813532
1,791.00	6.11	133.720	1,790.63	-9.69	1.17	1,892,784.984	2,739,771.959	36.201875387	-107.776796045
1,886.00	9.32	133.110	1,884.76	-18.44	10.44	1,892,776.231	2,739,781.231	36.201851325	-107.776764634
1,981.00	12.13	136.710	1,978.09	-30.97	22.91	1,892,763.706	2,739,793.694	36.201816898	-107.776722418
2,075.00	15.78	134.160	2,069.30	-47.06	38.85	1,892,747.607	2,739,809.640	36.201772648	-107.776668398
2,170.00	19.60	132.750	2,159.79	-66.89	59.83	1,892,727.785	2,739,830.616	36.201718160	-107.776597342
2,264.00	22.68	128.360	2,247.46	-88.84	85.63	1,892,705.829	2,739,856.411	36.201657804	-107.776509953
2,358.00	23.95	127.660	2,333.78	-111.75	114.94	1,892,682.924	2,739,885.727	36.201594836	-107.776410635
2,453.00	23.55	126.780	2,420.74	-134.89	145.41	1,892,659.780	2,739,916.192	36.201531207	-107.776307419
2,515.00	23.31	128.199	2,477.63	-149.89	164.97	1,892,644.779	2,739,935.752	36.201489967	-107.776241154
9 5/8" Casing @ 2515 MD 2477.63 TVD									
2,584.00	23.05	129.810	2,541.06	-166.98	186.07	1,892,627.690	2,739,956.855	36.201442986	-107.776169659
2,678.00	22.44	130.580	2,627.75	-190.43	213.83	1,892,604.237	2,739,984.617	36.201378515	-107.776075608
2,772.00	21.59	130.380	2,714.90	-213.31	240.63	1,892,581.362	2,740,011.418	36.201315631	-107.775984815
2,867.00	20.39	130.220	2,803.59	-235.32	266.58	1,892,559.352	2,740,037.370	36.201255124	-107.775896897
2,983.00	23.43	130.480	2,911.20	-263.35	299.56	1,892,531.325	2,740,070.349	36.201178078	-107.775785171
3,076.00	22.04	130.230	2,996.97	-286.62	326.95	1,892,508.051	2,740,097.736	36.201114097	-107.775692391
3,171.00	20.23	128.920	3,085.58	-308.45	353.34	1,892,486.218	2,740,124.126	36.201054077	-107.775602989
3,266.00	17.51	128.430	3,175.46	-327.66	377.32	1,892,467.013	2,740,148.105	36.201001279	-107.775521753
3,359.00	18.89	129.680	3,263.81	-345.97	399.87	1,892,448.704	2,740,170.652	36.200950945	-107.775445368
3,453.00	18.09	129.350	3,352.96	-364.94	422.86	1,892,429.734	2,740,193.649	36.200898796	-107.775367461
3,548.00	16.81	128.680	3,443.58	-382.88	444.99	1,892,411.797	2,740,215.779	36.200849483	-107.775292490
3,642.00	11.97	127.150	3,534.61	-397.27	463.38	1,892,397.407	2,740,234.170	36.200809922	-107.775230183
3,736.00	7.76	125.000	3,627.20	-406.80	476.36	1,892,387.876	2,740,247.144	36.200783718	-107.775186229
3,831.00	3.91	117.170	3,721.69	-411.96	484.50	1,892,382.716	2,740,255.282	36.200769530	-107.775158654
3,925.00	1.54	118.750	3,815.57	-414.03	488.46	1,892,380.644	2,740,259.242	36.200763833	-107.775145239
3,988.00	0.47	336.900	3,878.57	-414.20	489.10	1,892,380.475	2,740,259.882	36.200763367	-107.775143067
4,019.00	3.18	321.090	3,909.55	-413.41	488.51	1,892,381.261	2,740,259.292	36.200765527	-107.775145066
4,050.00	6.85	317.300	3,940.42	-411.38	486.71	1,892,383.290	2,740,257.498	36.200771102	-107.775151143
4,082.00	10.01	317.660	3,972.08	-407.92	483.54	1,892,386.749	2,740,254.330	36.200780610	-107.775161874
4,113.00	12.66	317.540	4,002.47	-403.42	479.44	1,892,391.247	2,740,250.221	36.200792974	-107.775175791
4,145.00	15.94	317.870	4,033.47	-397.58	474.12	1,892,397.094	2,740,244.905	36.200809046	-107.775193798
4,177.00	19.04	318.360	4,063.99	-390.42	467.70	1,892,404.256	2,740,238.488	36.200828730	-107.775215535
4,208.00	21.56	317.600	4,093.06	-382.43	460.50	1,892,412.242	2,740,231.286	36.200850681	-107.775239928
4,240.00	24.00	315.400	4,122.56	-373.45	451.97	1,892,421.219	2,740,222.750	36.200875356	-107.775268841
4,271.00	26.43	313.920	4,150.61	-364.18	442.57	1,892,430.495	2,740,213.353	36.200900853	-107.775300674
4,302.00	29.20	314.030	4,178.02	-354.13	432.16	1,892,440.538	2,740,202.944	36.200928460	-107.775335932
4,334.00	32.03	314.730	4,205.56	-342.73	420.52	1,892,451.938	2,740,191.301	36.200959795	-107.775375372
4,365.00	34.97	315.640	4,231.41	-330.59	408.46	1,892,464.078	2,740,179.247	36.200993164	-107.775416204
4,397.00	37.60	315.880	4,257.20	-317.03	395.25	1,892,477.645	2,740,166.037	36.201030456	-107.775460951
4,428.00	40.50	316.300	4,281.27	-302.96	381.71	1,892,491.715	2,740,152.496	36.201069129	-107.775506821
4,460.00	44.23	315.360	4,304.91	-287.50	366.68	1,892,507.174	2,740,137.469	36.201111622	-107.775557721
4,491.00	47.71	314.980	4,326.46	-271.70	350.97	1,892,522.977	2,740,121.757	36.201155060	-107.775610945
4,522.00	50.15	314.750	4,346.82	-255.21	334.41	1,892,539.462	2,740,105.193	36.201200373	-107.775667055
4,554.00	52.21	314.410	4,366.88	-237.71	316.65	1,892,556.960	2,740,087.435	36.201248470	-107.775727209
4,585.00	53.89	314.380	4,385.51	-220.38	298.95	1,892,574.291	2,740,069.734	36.201296110	-107.775787171
4,617.00	56.51	314.440	4,403.77	-201.99	280.18	1,892,592.677	2,740,050.965	36.201346650	-107.775805751
4,649.00	58.87	314.130	4,420.88	-183.11	260.82	1,892,611.559	2,740,031.604	36.201398552	-107.775916334
4,680.00	59.08	313.980	4,436.85	-164.64	241.73	1,892,630.031	2,740,012.513	36.201449328	-107.775981007



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,712.00	61.51	313.750	4,452.71	-145.38	221.69	1,892,649.290	2,739,992.474	36.201502266	-107.776048887
4,743.00	64.98	313.810	4,466.66	-126.23	201.71	1,892,668.439	2,739,972.492	36.201554904	-107.776116578
4,774.00	68.79	313.980	4,478.83	-106.47	181.16	1,892,688.204	2,739,951.950	36.201609233	-107.776186163
4,777.26	69.18	314.055	4,480.00	-104.35	178.98	1,892,690.318	2,739,949.763	36.201615042	-107.776193572
FTP G top @ 4777.26 MD 4480.00 TVD									
4,806.00	72.62	314.700	4,489.40	-85.36	159.57	1,892,709.311	2,739,930.355	36.201667249	-107.776259317
4,838.00	76.19	315.150	4,498.01	-63.60	137.75	1,892,731.074	2,739,908.537	36.201727070	-107.776333226
4,869.00	79.11	315.690	4,504.63	-42.03	116.50	1,892,752.641	2,739,887.284	36.201786352	-107.776405218
4,900.00	82.35	315.880	4,509.63	-20.10	95.17	1,892,774.567	2,739,865.952	36.201846618	-107.776477480
4,963.00	86.58	315.970	4,515.70	24.94	51.56	1,892,819.607	2,739,822.343	36.201970417	-107.776625200
5,058.00	86.65	316.030	4,521.31	93.15	-14.32	1,892,887.825	2,739,756.466	36.202157925	-107.776848354
5,152.00	89.15	316.140	4,524.76	160.82	-79.47	1,892,955.488	2,739,691.318	36.202343908	-107.777069040
5,247.00	88.82	316.160	4,526.44	229.32	-145.27	1,893,023.987	2,739,625.515	36.202532186	-107.777291944
5,341.00	88.83	316.470	4,528.37	297.28	-210.18	1,893,091.949	2,739,560.604	36.202718985	-107.777511827
5,435.00	89.00	317.040	4,530.15	365.74	-274.57	1,893,160.408	2,739,496.214	36.202907153	-107.777729942
5,529.00	89.37	317.590	4,531.48	434.83	-338.29	1,893,229.499	2,739,432.492	36.203097053	-107.777945794
5,624.00	89.53	312.780	4,532.40	502.20	-405.23	1,893,296.868	2,739,365.557	36.203282226	-107.778172542
5,718.00	89.13	312.520	4,533.50	565.88	-474.36	1,893,360.550	2,739,296.425	36.203457275	-107.778406746
5,813.00	88.79	312.380	4,535.22	629.99	-544.45	1,893,424.659	2,739,226.339	36.203633498	-107.778644181
5,907.00	89.54	314.770	4,536.59	694.77	-612.54	1,893,489.442	2,739,158.252	36.203811567	-107.778874843
6,002.00	89.31	314.710	4,537.54	761.64	-680.01	1,893,556.308	2,739,090.776	36.203995359	-107.779103428
6,098.00	88.94	314.770	4,539.01	829.20	-748.19	1,893,623.873	2,739,022.595	36.204181072	-107.779334406
6,192.00	88.89	314.650	4,540.79	895.32	-814.98	1,893,689.992	2,738,955.803	36.204362809	-107.779560675
6,286.00	88.98	315.290	4,542.54	961.74	-881.48	1,893,756.413	2,738,889.312	36.204545376	-107.779785927
6,381.00	89.29	315.710	4,543.97	1,029.49	-948.05	1,893,824.164	2,738,822.734	36.204731595	-107.780011473
6,475.00	89.64	316.040	4,544.85	1,096.97	-1,013.50	1,893,891.636	2,738,757.292	36.204917046	-107.780233170
6,569.00	89.47	315.890	4,545.58	1,164.54	-1,078.83	1,893,959.212	2,738,691.955	36.205102781	-107.780454511
6,664.00	89.13	315.600	4,546.74	1,232.58	-1,145.12	1,894,027.249	2,738,625.664	36.205289786	-107.780679085
6,758.00	89.11	315.720	4,548.18	1,299.80	-1,210.81	1,894,094.470	2,738,559.974	36.205474547	-107.780901626
6,853.00	89.35	316.280	4,549.46	1,368.13	-1,276.80	1,894,162.801	2,738,493.988	36.205662356	-107.781125169
6,947.00	89.76	316.930	4,550.19	1,436.43	-1,341.38	1,894,231.102	2,738,429.410	36.205850081	-107.781343940
7,042.00	89.58	316.950	4,550.74	1,505.84	-1,406.24	1,894,300.511	2,738,364.549	36.206040851	-107.781563671
7,136.00	89.08	316.360	4,551.84	1,574.20	-1,470.76	1,894,368.866	2,738,300.033	36.206228722	-107.781782232
7,230.00	88.69	316.400	4,553.66	1,642.23	-1,535.59	1,894,436.903	2,738,235.198	36.206415719	-107.782001880
7,324.00	88.81	316.430	4,555.72	1,710.31	-1,600.38	1,894,504.975	2,738,170.407	36.206602816	-107.782221377
7,418.00	89.24	317.160	4,557.32	1,778.81	-1,664.73	1,894,573.482	2,738,106.064	36.206791104	-107.782439358
7,513.00	89.77	317.620	4,558.14	1,848.73	-1,729.04	1,894,643.397	2,738,041.751	36.206983259	-107.782657233
7,607.00	89.45	317.760	4,558.78	1,918.24	-1,792.31	1,894,712.909	2,737,978.478	36.207174307	-107.782871588
7,701.00	89.47	318.110	4,559.66	1,988.02	-1,855.29	1,894,782.690	2,737,915.503	36.207366092	-107.783084930
7,796.00	89.83	314.980	4,560.24	2,056.98	-1,920.62	1,894,851.642	2,737,850.173	36.207555602	-107.783306258
7,890.00	89.69	315.470	4,560.64	2,123.70	-1,986.82	1,894,918.370	2,737,783.967	36.207739003	-107.783530560
7,984.00	89.41	315.100	4,561.37	2,190.50	-2,052.96	1,894,985.165	2,737,717.833	36.207922590	-107.783754621
8,078.00	88.88	314.490	4,562.78	2,256.72	-2,119.65	1,895,051.387	2,737,651.136	36.208104601	-107.783980592
8,173.00	88.50	315.200	4,564.95	2,323.70	-2,186.99	1,895,118.362	2,737,583.798	36.208288682	-107.784208736
8,267.00	88.29	315.030	4,567.58	2,390.27	-2,253.30	1,895,184.937	2,737,517.489	36.208471662	-107.784433390
8,362.00	88.47	315.550	4,570.27	2,457.76	-2,320.11	1,895,252.424	2,737,450.682	36.208657147	-107.784659735
8,457.00	88.66	315.800	4,572.65	2,525.70	-2,386.47	1,895,320.364	2,737,384.324	36.208843877	-107.784884558
8,551.00	89.09	316.430	4,574.49	2,593.43	-2,451.62	1,895,388.099	2,737,319.175	36.209030042	-107.785105283
8,647.00	90.71	313.820	4,574.66	2,661.46	-2,519.34	1,895,456.121	2,737,251.450	36.209216997	-107.785334743
8,740.00	90.97	314.180	4,573.30	2,726.05	-2,586.23	1,895,520.717	2,737,184.558	36.209394539	-107.785561382
8,835.00	90.70	314.440	4,571.91	2,792.41	-2,654.20	1,895,587.071	2,737,116.587	36.209576911	-107.785791682
8,929.00	90.30	314.580	4,571.09	2,858.30	-2,721.24	1,895,652.965	2,737,049.556	36.209758020	-107.786018795
9,023.00	90.27	314.620	4,570.62	2,924.30	-2,788.17	1,895,718.967	2,736,982.626	36.209939422	-107.786245564
9,117.00	90.54	315.130	4,569.96	2,990.62	-2,854.78	1,895,785.287	2,736,916.015	36.210121700	-107.786471254
9,212.00	90.53	315.580	4,569.07	3,058.21	-2,921.53	1,895,852.874	2,736,849.261	36.210307456	-107.786697429



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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
9,306.00	90.96	315.870	4,567.85	3,125.51	-2,987.15	1,895,920.172	2,736,783.645	36.210492416	-107.786919746
9,401.00	89.82	314.070	4,567.20	3,192.64	-3,054.35	1,895,987.306	2,736,716.440	36.210676928	-107.787147451
9,495.00	89.94	314.630	4,567.40	3,258.35	-3,121.57	1,896,053.015	2,736,649.223	36.210857526	-107.787375202
9,589.00	90.04	314.840	4,567.42	3,324.51	-3,188.34	1,896,119.175	2,736,582.448	36.211039360	-107.787601452
9,684.00	90.09	315.340	4,567.31	3,391.79	-3,255.41	1,896,186.455	2,736,515.379	36.211224271	-107.787828700
9,778.00	90.52	315.980	4,566.81	3,459.02	-3,321.11	1,896,253.683	2,736,449.683	36.211409037	-107.788051296
9,872.00	88.92	314.280	4,567.27	3,525.63	-3,387.42	1,896,320.296	2,736,383.371	36.211592115	-107.788275979
9,966.00	89.09	314.510	4,568.90	3,591.38	-3,454.58	1,896,386.049	2,736,316.216	36.211772828	-107.788503526
10,060.00	89.12	314.480	4,570.37	3,657.26	-3,521.62	1,896,451.920	2,736,249.173	36.211953868	-107.788730692
10,155.00	88.88	314.510	4,572.03	3,723.83	-3,589.38	1,896,518.490	2,736,181.418	36.212136828	-107.788960268
10,249.00	89.17	315.130	4,573.63	3,790.08	-3,656.04	1,896,584.739	2,736,114.752	36.212318904	-107.789186159
10,344.00	89.41	315.710	4,574.80	3,857.74	-3,722.72	1,896,652.399	2,736,048.077	36.212504856	-107.789412079
10,439.00	89.40	316.070	4,575.79	3,925.94	-3,788.84	1,896,720.606	2,735,981.957	36.212692308	-107.789636116
10,533.00	90.74	313.380	4,575.67	3,992.08	-3,855.62	1,896,786.746	2,735,915.179	36.212874085	-107.789862389
10,628.00	90.87	313.660	4,574.34	4,057.49	-3,924.50	1,896,852.157	2,735,846.298	36.213053860	-107.790095791
10,722.00	90.76	313.740	4,573.00	4,122.43	-3,992.45	1,896,917.093	2,735,778.346	36.213232329	-107.790326047
10,816.00	90.94	314.380	4,571.61	4,187.79	-4,059.99	1,896,982.454	2,735,710.804	36.213411964	-107.790554912
10,911.00	91.33	314.870	4,569.73	4,254.51	-4,127.59	1,897,049.175	2,735,643.205	36.213595333	-107.790783973
11,005.00	89.48	314.420	4,569.06	4,320.56	-4,194.46	1,897,115.225	2,735,576.331	36.213776859	-107.791010575
11,099.00	89.40	314.220	4,569.98	4,386.23	-4,261.71	1,897,180.896	2,735,509.082	36.213957345	-107.791238451
11,193.00	89.78	314.640	4,570.65	4,452.04	-4,328.84	1,897,246.698	2,735,441.958	36.214138188	-107.791465904
11,288.00	89.70	314.670	4,571.08	4,518.80	-4,396.41	1,897,313.466	2,735,374.381	36.214321687	-107.791694894
11,383.00	89.71	314.870	4,571.57	4,585.71	-4,463.86	1,897,380.370	2,735,306.938	36.214505558	-107.791923430
11,478.00	89.44	314.920	4,572.28	4,652.76	-4,531.15	1,897,447.420	2,735,239.642	36.214689829	-107.792151468
11,572.00	89.44	314.950	4,573.20	4,719.15	-4,597.69	1,897,513.809	2,735,173.101	36.214872284	-107.792376945
11,667.00	89.61	315.170	4,573.98	4,786.39	-4,664.80	1,897,581.052	2,735,105.999	36.215057085	-107.792604327
11,761.00	89.66	315.150	4,574.58	4,853.04	-4,731.08	1,897,647.704	2,735,039.719	36.215240260	-107.792828927
11,855.00	89.34	315.190	4,575.40	4,919.71	-4,797.35	1,897,714.366	2,734,973.451	36.215423463	-107.793053484
11,949.00	89.30	315.270	4,576.52	4,986.43	-4,863.54	1,897,781.096	2,734,907.255	36.215606851	-107.793277797
12,044.00	89.53	315.520	4,577.49	5,054.07	-4,930.25	1,897,848.729	2,734,840.548	36.215792720	-107.793503843
12,138.00	89.84	315.890	4,578.01	5,121.35	-4,995.89	1,897,916.008	2,734,774.904	36.215977617	-107.793726287
12,232.00	90.03	317.010	4,578.11	5,189.48	-5,060.66	1,897,984.135	2,734,710.141	36.216164842	-107.793945746
12,326.00	89.52	314.710	4,578.48	5,256.93	-5,126.11	1,898,051.588	2,734,644.683	36.216350214	-107.794167561
12,421.00	89.71	315.420	4,579.12	5,324.18	-5,193.21	1,898,118.837	2,734,577.586	36.216535029	-107.794394933
12,515.00	89.90	315.400	4,579.44	5,391.12	-5,259.20	1,898,185.779	2,734,511.596	36.216718996	-107.794618556
12,609.00	89.71	315.310	4,579.76	5,458.00	-5,325.26	1,898,252.657	2,734,445.542	36.216902788	-107.794842397
12,704.00	89.87	315.830	4,580.11	5,525.84	-5,391.76	1,898,320.496	2,734,379.039	36.217089221	-107.795067758
12,799.00	89.47	315.200	4,580.66	5,593.61	-5,458.33	1,898,388.271	2,734,312.472	36.217275476	-107.795293338
12,893.00	89.19	315.560	4,581.75	5,660.51	-5,524.35	1,898,455.173	2,734,246.451	36.217459335	-107.795517069
12,988.00	89.39	315.820	4,582.93	5,728.49	-5,590.70	1,898,523.147	2,734,180.095	36.217646136	-107.795741936
13,082.00	88.89	315.890	4,584.34	5,795.93	-5,656.16	1,898,590.591	2,734,114.634	36.217831482	-107.795963770
13,176.00	89.09	316.440	4,586.00	5,863.73	-5,721.26	1,898,658.386	2,734,049.542	36.218017789	-107.796184355
13,270.00	89.22	317.500	4,587.39	5,932.43	-5,785.39	1,898,727.091	2,733,985.406	36.218206596	-107.796401697
13,365.00	89.72	315.740	4,588.27	6,001.47	-5,850.64	1,898,796.133	2,733,920.162	36.218396327	-107.796622795
13,459.00	89.44	315.440	4,588.95	6,068.62	-5,916.41	1,898,863.279	2,733,854.384	36.218580854	-107.796845709
13,553.00	89.60	315.610	4,589.74	6,135.69	-5,982.27	1,898,930.351	2,733,788.531	36.218765174	-107.797068880
13,613.00	89.49	315.547	4,590.22	6,178.54	-6,024.26	1,898,973.202	2,733,746.536	36.218882933	-107.797211196
LTP 13613.00 MD 4590.22 TVD									
13,633.00	89.46	315.526	4,590.40	6,192.82	-6,038.27	1,898,987.476	2,733,732.528	36.218922157	-107.797258670
330 perp @ 13633.00 MD 4590.40 TVD									
13,648.00	89.43	315.510	4,590.55	6,203.52	-6,048.78	1,898,998.177	2,733,722.018	36.218951566	-107.797294286
Survey @ 13648.00 MD 4590.55 TVD									
13,747.00	89.43	315.510	4,591.53	6,274.14	-6,118.16	1,899,068.797	2,733,652.644	36.219145637	-107.797529390
Survey Proj. to 13747 MD 4591.53 TVD 134 FNL 1723 FWL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 763H
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. 763H	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 (")
2,555.67	2,515.00	9 5/8"		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	430.98	-2.53	-2.13	MWD surveys	
2,515.00	2,477.63	-149.89	164.97	9 5/8" Casing @ 2515 MD 2477.63 TVD	
4,777.26	4,480.00	-104.35	178.98	FTP G top @ 4777.26 MD 4480.00 TVD	
13,613.00	4,590.22	6,178.54	-6,024.26	LTP 13613.00 MD 4590.22 TVD	
13,633.00	4,590.40	6,192.82	-6,038.27	330 perp @ 13633.00 MD 4590.40 TVD	
13,648.00	4,590.55	6,203.52	-6,048.78	Survey @ 13648.00 MD 4590.55 TVD	
13,747.00	4,591.53	6,274.14	-6,118.16	Survey Proj. to 13747 MD 4591.53 TVD 134 FNL 1723 FWL	

WELL NAME: W LYBROOK UNIT 763H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-I formation
API Number: 30-045-38200
AFE Number: DV03068
ER Well Number: NM08265.01
State: New Mexico
County: San Juan
Surface Elev.: 6,641 ft ASL (GL) 6,669 ft ASL (KB)
Surface Location: 27-23N-09W Sec-Twn- Rng 1,181 ft FNL 2,446 ft FWL
BH Location: 21-23N-09W Sec-Twn- Rng 222 ft FNL 1740 ft FWL
Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,490 ft
KOP (MD)	4,033 ft
KOP (TVD)	3,926 ft
Target (TVD)	4,529 ft
Curve BUR	10 °/100 ft
POE (MD)	4,988 ft
TD (MD)	13,663 ft
Lat Len (ft)	8,675 ft

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).

WELL CONSTRUCTION SUMMARY:

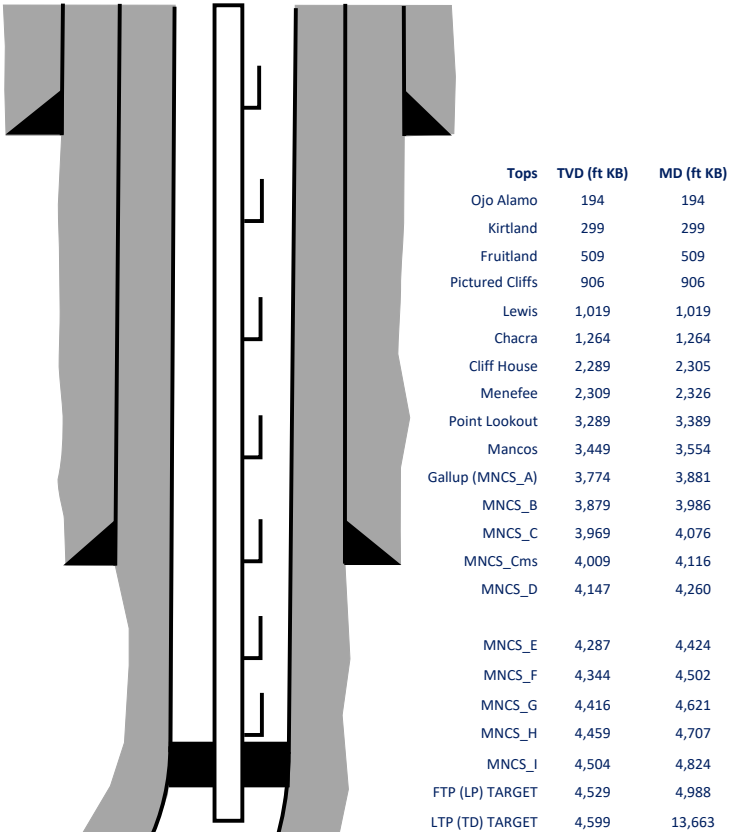
	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,490	9.625	36.0	J-55	LTC	0	2,490
Production	8.500	13,663	5.500	17.0	P-110	LTC	0	13,663

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	467
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	1,990	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	454
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.2291	10%	3,554	1,633

COMPLETION / PRODUCTION SUMMARY:

Frac: 40 plug-and-perf stages with 280,000 bbls slickwater fluid and 17,000,000 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



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 763H

9. API Well No.

30-045-38200

10. Field and Pool or Exploratory Area

Lybrook Mancos W

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

SHL: 1181' FSL & 2446' FWL, Sec 27 T23N, R9W**BHL: 1612' FNL & 2308' FEL, Sec 31 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 <u>Completion</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

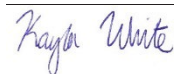
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical 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 recompleting 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 7/13/2022-** 24 hour Frac Ops. 36 total stages, total holes 1,512, 4806 - 13613' MD. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, Sour N8R, SCI-28H & 11,448,170 lbs total proppant**7/30/2022 thru 8/2/2022 -** Drilling out operations**8/2/2022 -** tubing landed at 4,735' 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

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: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM135216A

2. Name of Operator

Enduring Resources IV LLC

8. Lease Name and Well No.

Greater Lybrook Unit 763H

3. Address

200 Energy Court Farmington NM 87402

3a. Phone No. (Include area code)

505-636-9743

9. API Well No.

30-045-38200

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

At surface

SHL: 1181' FSL & 2446' FWL, Sec 27 T23N, R9W

BHL: 1612' FNL & 2308' FEL, Sec 31 T23N, R9W

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

At top prod. interval reported below At total depth

14. Date Spudded

2/10/2022

15. Date T.D. Reached

4/20/2022

16. Date Completed 8/4/2022

☐ D & A

☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

6669' KB

18. Total Depth: **13737' MD**
4591' TVD

19. Plug Back T.D.: **13618' MD**
4590' 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	360.71' MD		350	86.6	surface	
12-1/4"	9-5/8", J-55	36	0	2525' MD		610	220	surface	
8-1/2"	5-1/2", P-110	17	0	13737' MD		2046	646	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	4735'	4667'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Gallup	3777' TVD	4573' TVD	4806'-13613' MD	.31	1512	

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
4806'-13613' MD	36 total stages, total holes 1,512, 4806 - 13613' MD. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, Bardac 2250M, Sour N8R, SCI-28H & 11,448,170 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	➡	79	316	0			Flowing
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	455	1137	➡					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
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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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28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers): 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.	31. Formation (Log) Markers
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
OJAM	194'				
KRLD	299'				
FRLD	503'				
PCCF	900'				
CLFH	2276'				
MENF	2291'				
PNLK	3283'				
MNCS	3449'				
Gallup	3777'				

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 WhiteTitle Environmental EngineerSignature Kayla WhiteDate: 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 143990

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143990
	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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CONDITIONS

Action 143990

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143990
	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