

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 30-045-38309	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 332891	⁸ Property Name GREATER LYBROOK UNIT		⁹ Well Number 055H

II. ¹⁰ Surface Location

Ul or lot no. J	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 1376'	North/South Line SOUTH	Feet from the 2024'	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location

UL or lot no. P	Section 25	Township 23N	Range 9W	Lot Idn	Feet from the 161'	North/South line SOUTH	Feet from the 238'	East/West line EAST	County SAN JUAN
¹² Lse Code N	¹³ Producing Method Code		¹⁴ Gas Connection Date 04/03/24		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	WESTERN REFINING COMPANY, LLC	O
373888	HARVEST FOUR CORNERS. LLC	G

IV. Well Completion Data

²¹ Spud Date 8/29/2023	²² Ready Date 3/18/24	²³ TD 14,992' MD 4,292' TVD	²⁴ PBDT 14,912' MD 4,292' TVD	²⁵ Perforations 4,793' – 14,832' MD 4,333' -4,295' TVD AlphaSleeve 14,862'	²⁶ DHC, MC R-22081	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17.5		13.375",54.5#, J-55		375' MD		352 sx
12.25"		9.625",36#, J-55		2,815' MD		684 sx
8.5"		5.5",17#, P-110		14,962' MD		2,277 sx
		2.875" 6.5#, L-80		4,760'		

V. Well Test Data

³¹ Date New Oil 4/6/24	³² Gas Delivery Date 4/3/24	³³ Test Date 4/7/24	³⁴ Test Length 24	³⁵ Tbg. Pressure 205	³⁶ Csg. Pressure 796
³⁷ Choke Size 91/64	³⁸ Oil 163	³⁹ Water 1394	⁴⁰ Gas 514		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>Heather Huntington</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Heather Huntington		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Permitting Technician		Approval Date: <i>6/26/2024</i>	
E-mail Address:hhuntington@enduringresources.com			
Date: 4/23/24	Phone:505-636-9751		



ENDURING RESOURCES IV LLC

February 27, 2024

Re: GREATER LYBROOK UNIT 055H-30-045-38309

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

A handwritten signature in blue ink, appearing to read "Heather Huntington".

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

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

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

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

Submit one copy to
Appropriate District Office

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

☐ AMENDED REPORT

AS-DRI L F D W E L L L O C A T I O N A N D A C R E A G E D E D I C A T I O N P L A T

¹ API Number 30-045-38309	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	
⁷ OGRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁶ Well Number 055H ⁹ Elevation 6802'

¹⁰ Surface Location

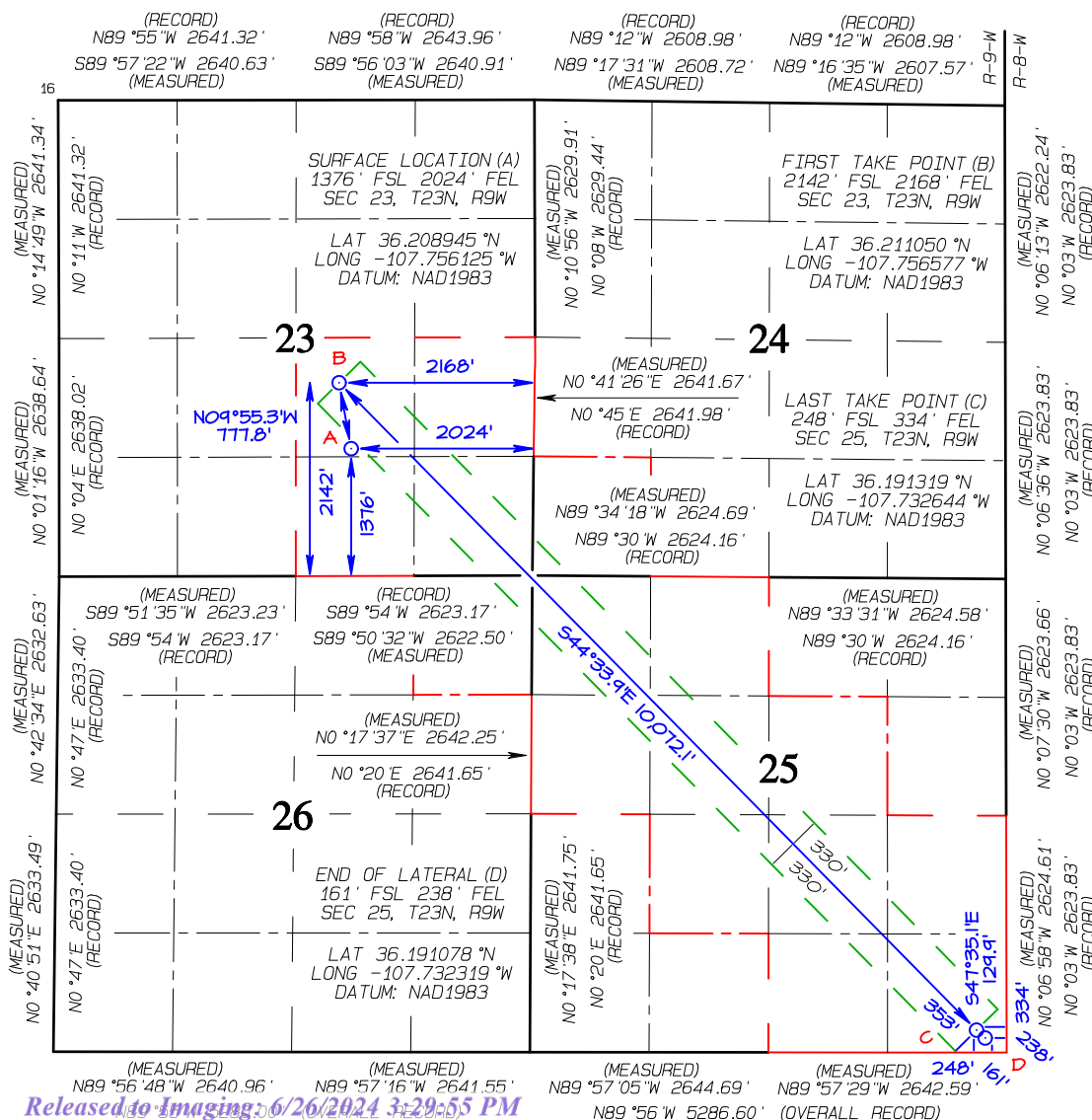
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	23N	9W		1376	SOUTH	2024	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	23N	9W		161	SOUTH	238	EAST	SAN JUAN

12 Dedicated Acres 640.0 SE/4 - Section 23 SW/4 - Section 24 NW/4, SE/4, SW/4 NE/4 NE/4 SW/4 - Section 25 NE/4 NE/4 - Section 26	13 Joint or Infill	14 Consolidation Code	15 Order No. R-22081
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NEW SIGNATURE UNIT HAS BEEN APPROVED BY THE DISTRICT			

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.

2/27/24

Signature	Date
-----------	------

Heather Huntington

Printed Name _____

hhuntington@enduringresources.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: FEBRUARY 22, 2024

Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number	15269
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Submit one copy to
Appropriate District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38309	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 055H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6802'

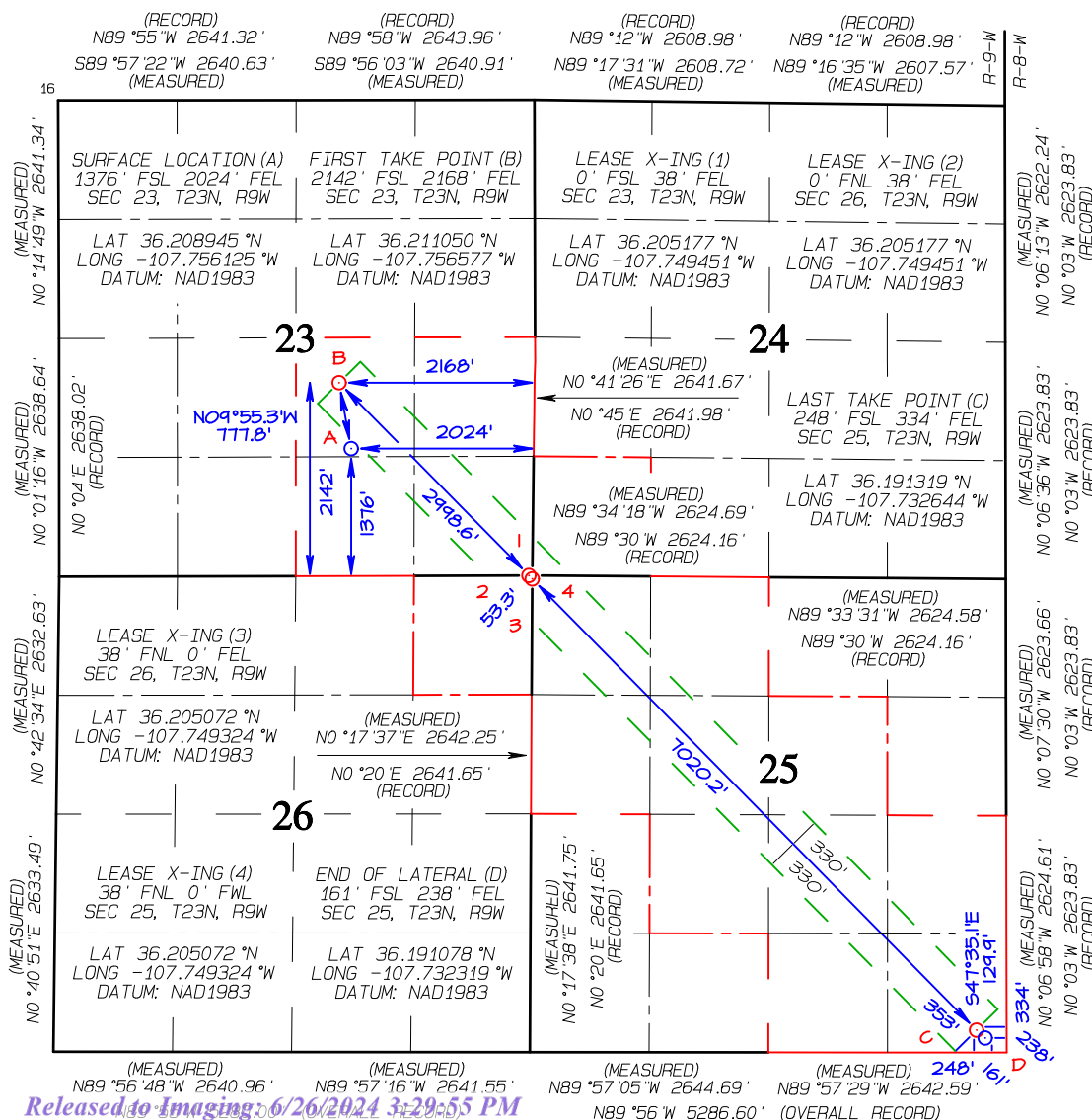
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Signature _____ Date 2/27/24

Heather Huntington

Printed Name
hhuntington@enduringresources.com

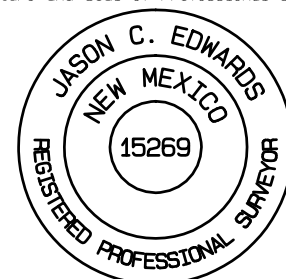
E-mail Address

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Date Revised: FEBRUARY 22, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

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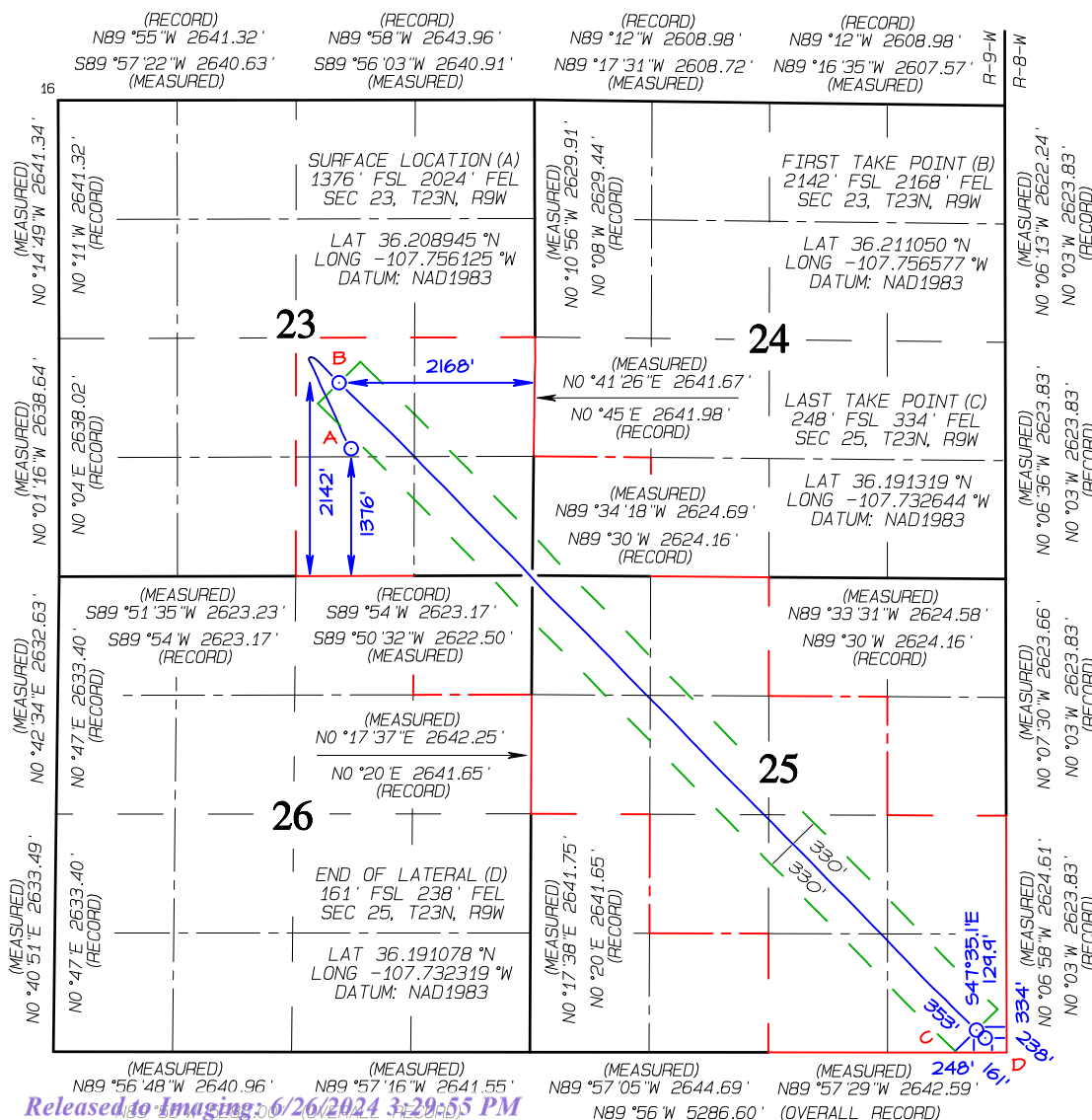
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Signature: Heather Huntington Date: 2/27/24
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresources.com

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Date Revised: FEBRUARY 22, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Well: Greater Lybrook Unit No. 055H
Site: Greater Lybrook 57 Pad (53,54,55,56 & 57)
Project: San Juan County, New Mexico NAD83 NM W
Design: MWD surveys
Rig: Aztec 1000

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=6802+25 @ 6827.00ft (Aztec 1000)

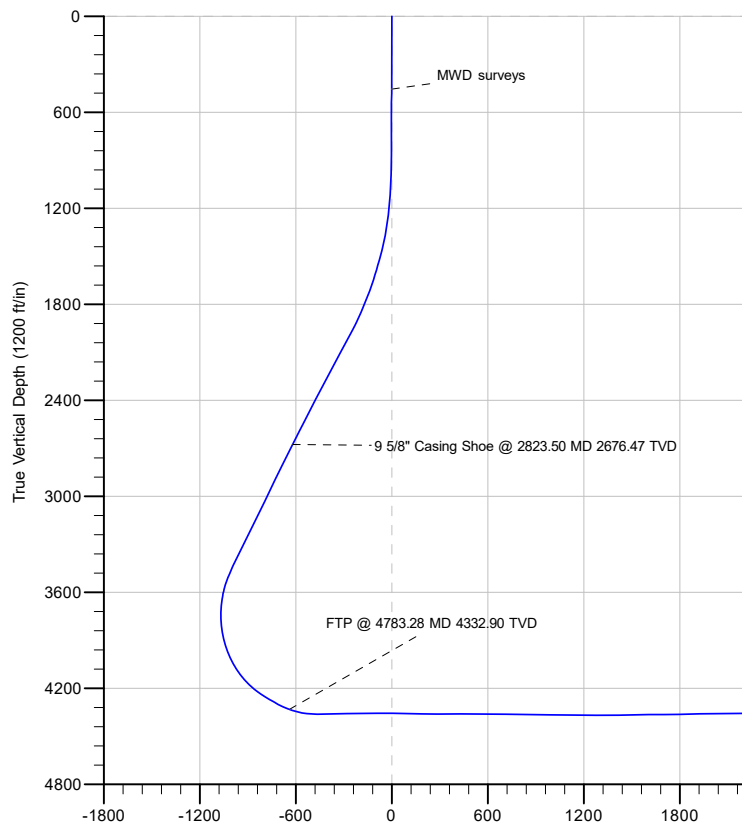
Surface location:
 Northing: 1895362.67 Easting: 2745868.52 Latitude: 36.20894500 Longitude: -107.75612500

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.48°



Azimuths to Grid North
 True North: -0.05°
 Magnetic North: 8.48°

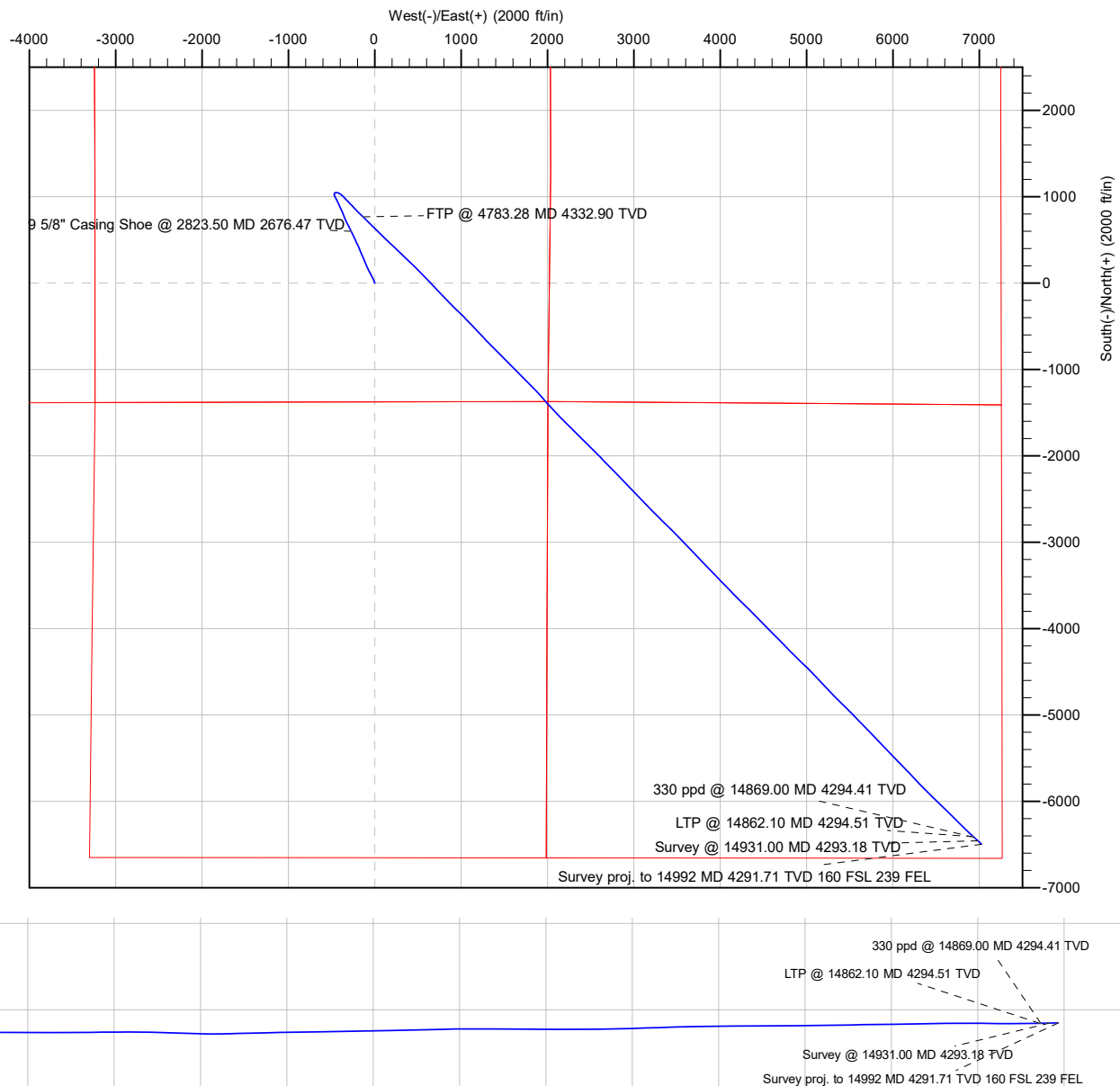
Magnetic Field
 Strength: 49032.3nT
 Dip Angle: 62.67°
 Date: 1/13/2024
 Model: IGRF2020



Vertical Section at 135.47° (1200 ft/in)

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
455.00	0.34	0.16	455.00	1.33	0.00	-0.94	MWD surveys
2823.50	28.01	333.12	2676.47	601.32	-272.01	-619.43	9 5/8\" Casing Shoe @ 2823.50 MD 2676.47 TVD
4783.28	70.22	133.58	4332.90	766.21	-134.02	-640.21	FTP @ 4783.28 MD 4332.90 TVD
14862.10	90.84	132.71	4294.51	-6409.76	6933.71	9431.90	LTP @ 14862.10 MD 4294.51 TVD
14869.00	90.89	132.67	4294.41	-6414.43	6938.78	9438.79	330 ppd @ 14869.00 MD 4294.41 TVD
14931.00	91.38	132.31	4293.18	-6456.30	6984.49	9500.69	Survey @ 14931.00 MD 4293.18 TVD
14992.00	91.38	132.31	4291.71	-6497.35	7029.58	9561.58	Survey proj. to 14992 MD 4291.71 TVD 160 FSL 239 FEL





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

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		Greater Lybrook 57 Pad (53,54,55,56 & 57)				
Site Position:		Northing:	1,895,341.59	usft	Latitude:	36.20888700
From:	Lat/Long	Easting:	2,745,902.47	usft	Longitude:	-107.75601000
Position Uncertainty:		0.00	ft	Slot Radius:	13-3/16	"

Well	Greater Lybrook Unit No. 055H, Surf loc: 1376 FSL 2024 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,362.67 usft	Latitude:	36.20894500
	+E/-W	0.00 ft	Easting:	2,745,868.53 usft	Longitude:	-107.75612500
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,802.00 ft
Grid Convergence:		0.05 °				

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/13/2024	8.53	62.67	49,032.34354952

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	135.47	

Survey Program	Date	2/4/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,772.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,852.00	14,931.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,992.00	14,992.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	
455.00	0.34	0.16	455.00	1.33	0.00	-0.94	0.08	0.08	0.00	
MWD surveys										
484.00	0.36	0.68	484.00	1.50	0.01	-1.07	0.07	0.07	1.79	
543.00	0.29	344.92	543.00	1.83	-0.03	-1.33	0.19	-0.12	-26.71	
603.00	0.35	1.83	602.99	2.16	-0.07	-1.59	0.19	0.10	28.18	
663.00	0.48	338.83	662.99	2.58	-0.15	-1.94	0.35	0.22	-38.33	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

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)
724.00	0.33	341.55	723.99	2.99	-0.30	-2.34	0.25	-0.25	4.46
784.00	0.34	324.44	783.99	3.29	-0.46	-2.67	0.17	0.02	-28.52
844.00	0.42	335.02	843.99	3.64	-0.65	-3.05	0.18	0.13	17.63
903.00	0.33	354.00	902.99	4.00	-0.76	-3.39	0.26	-0.15	32.17
963.00	0.40	347.91	962.99	4.38	-0.82	-3.70	0.13	0.12	-10.15
1,028.00	1.96	350.95	1,027.97	5.70	-1.05	-4.80	2.40	2.40	4.68
1,091.00	3.65	345.71	1,090.89	8.71	-1.71	-7.41	2.71	2.68	-8.32
1,155.00	5.54	344.62	1,154.69	13.66	-3.03	-11.86	2.96	2.95	-1.70
1,218.00	7.49	340.64	1,217.28	20.47	-5.20	-18.24	3.18	3.10	-6.32
1,281.00	9.35	339.18	1,279.59	29.12	-8.38	-26.64	2.97	2.95	-2.32
1,344.00	10.78	335.14	1,341.62	39.25	-12.68	-36.87	2.53	2.27	-6.41
1,407.00	12.48	332.12	1,403.33	50.62	-18.34	-48.95	2.87	2.70	-4.79
1,470.00	14.11	331.83	1,464.64	63.41	-25.15	-62.84	2.59	2.59	-0.46
1,533.00	15.64	332.45	1,525.52	77.71	-32.70	-78.33	2.44	2.43	0.98
1,597.00	17.15	332.49	1,586.92	93.72	-41.05	-95.60	2.36	2.36	0.06
1,659.00	18.82	332.80	1,645.89	110.73	-49.84	-113.89	2.70	2.69	0.50
1,722.00	20.67	333.12	1,705.18	129.69	-59.52	-134.19	2.94	2.94	0.51
1,786.00	22.34	333.67	1,764.73	150.66	-70.02	-156.51	2.63	2.61	0.86
1,849.00	24.07	333.60	1,822.63	172.90	-81.04	-180.09	2.75	2.75	-0.11
1,912.00	25.98	335.59	1,879.71	196.98	-92.46	-205.26	3.31	3.03	3.16
1,975.00	28.21	337.28	1,935.79	223.28	-103.91	-232.05	3.74	3.54	2.68
2,038.00	30.02	337.53	1,990.83	251.58	-115.69	-260.48	2.88	2.87	0.40
2,101.00	30.38	337.75	2,045.28	280.89	-127.75	-289.83	0.60	0.57	0.35
2,164.00	29.99	337.03	2,099.74	310.13	-139.92	-319.21	0.84	-0.62	-1.14
2,227.00	29.31	336.43	2,154.49	338.76	-152.23	-348.26	1.18	-1.08	-0.95
2,290.00	30.06	337.06	2,209.22	367.43	-164.55	-377.33	1.29	1.19	1.00
2,353.00	30.21	336.17	2,263.71	396.46	-177.10	-406.83	0.75	0.24	-1.41
2,416.00	29.19	335.64	2,318.43	424.95	-189.84	-436.08	1.67	-1.62	-0.84
2,479.00	28.85	334.92	2,373.52	452.71	-202.62	-464.83	0.77	-0.54	-1.14
2,542.00	28.26	335.49	2,428.86	480.05	-215.25	-493.17	1.03	-0.94	0.90
2,605.00	28.58	335.69	2,484.26	507.35	-227.64	-521.33	0.53	0.51	0.32
2,669.00	28.63	335.06	2,540.45	535.21	-240.41	-550.14	0.48	0.08	-0.98
2,732.00	28.29	334.52	2,595.84	562.37	-253.20	-578.47	0.68	-0.54	-0.86
2,772.00	28.30	334.70	2,631.06	579.50	-261.33	-596.38	0.21	0.03	0.45
2,823.50	28.01	333.12	2,676.47	601.32	-272.01	-619.43	1.55	-0.56	-3.06
9 5/8" Casing Shoe @ 2823.50 MD 2676.47 TVD									
2,852.00	27.86	332.24	2,701.64	613.19	-278.14	-632.19	1.55	-0.53	-3.10
2,884.00	27.58	331.96	2,729.97	626.34	-285.10	-646.45	0.97	-0.88	-0.88
2,978.00	27.75	334.14	2,813.23	665.24	-304.88	-688.05	1.09	0.18	2.32
3,072.00	27.38	333.19	2,896.56	704.23	-324.17	-729.37	0.61	-0.39	-1.01
3,166.00	27.72	338.16	2,979.91	743.82	-342.06	-770.13	2.47	0.36	5.29
3,261.00	27.56	337.92	3,064.07	784.69	-358.54	-810.83	0.21	-0.17	-0.25
3,355.00	26.64	336.97	3,147.75	824.24	-374.96	-850.54	1.08	-0.98	-1.01
3,450.00	28.60	335.62	3,231.92	864.55	-392.68	-891.70	2.17	2.06	-1.42



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

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)
3,544.00	28.14	334.28	3,314.63	905.01	-411.58	-933.81	0.84	-0.49	-1.43
3,639.00	26.50	335.16	3,399.03	944.43	-430.21	-974.97	1.78	-1.73	0.93
3,702.00	25.00	331.50	3,455.78	968.89	-442.47	-1,001.00	3.47	-2.38	-5.81
3,733.00	24.61	330.60	3,483.92	980.27	-448.76	-1,013.53	1.75	-1.26	-2.90
3,765.00	22.11	331.25	3,513.29	991.36	-454.93	-1,025.76	7.85	-7.81	2.03
3,796.00	19.39	333.71	3,542.28	1,001.09	-460.02	-1,036.26	9.21	-8.77	7.94
3,827.00	16.52	336.47	3,571.77	1,009.75	-464.06	-1,045.27	9.65	-9.26	8.90
3,859.00	13.77	344.60	3,602.66	1,017.59	-466.89	-1,052.84	10.84	-8.59	25.41
3,890.00	12.01	354.08	3,632.88	1,024.36	-468.20	-1,058.59	8.86	-5.68	30.58
3,921.00	10.94	367	3,663.26	1,030.50	-468.34	-1,063.07	7.04	-3.45	30.94
3,953.00	8.99	18.23	3,694.78	1,035.91	-467.37	-1,066.24	9.91	-6.09	45.50
3,984.00	8.96	39.03	3,725.41	1,040.08	-465.09	-1,067.62	10.41	-0.10	67.10
4,016.00	9.50	53.78	3,757.00	1,043.58	-461.39	-1,067.52	7.56	1.69	46.09
4,047.00	9.91	65.00	3,787.56	1,046.22	-456.91	-1,066.25	6.23	1.32	36.19
4,079.00	11.19	79.01	3,819.02	1,047.98	-451.36	-1,063.62	8.93	4.00	43.78
4,110.00	12.92	90.84	3,849.34	1,048.50	-444.94	-1,059.49	9.70	5.58	38.16
4,141.00	15.00	101.66	3,879.43	1,047.64	-437.55	-1,053.69	10.74	6.71	34.90
4,172.00	17.12	106.60	3,909.22	1,045.52	-429.24	-1,046.36	8.13	6.84	15.94
4,204.00	19.50	112.01	3,939.60	1,042.17	-419.78	-1,037.33	9.13	7.44	16.91
4,235.00	22.26	118.73	3,968.56	1,037.41	-409.83	-1,026.96	11.78	8.90	21.68
4,267.00	24.04	124.97	3,997.99	1,030.76	-399.17	-1,014.74	9.46	5.56	19.50
4,298.00	26.53	128.42	4,026.02	1,022.84	-388.57	-1,001.66	9.33	8.03	11.13
4,330.00	29.34	131.39	4,054.29	1,013.21	-377.08	-986.74	9.80	8.78	9.28
4,361.00	32.42	133.49	4,080.89	1,002.47	-365.35	-970.86	10.52	9.94	6.77
4,393.00	36.29	134.48	4,107.31	989.92	-352.37	-952.81	12.22	12.09	3.09
4,424.00	39.97	135.78	4,131.69	976.35	-338.87	-933.67	12.15	11.87	4.19
4,455.00	43.42	136.49	4,154.83	961.49	-324.59	-913.06	11.23	11.13	2.29
4,487.00	46.31	136.65	4,177.51	945.10	-309.07	-890.49	9.04	9.03	0.50
4,518.00	49.40	136.34	4,198.31	928.43	-293.25	-867.51	10.00	9.97	-1.00
4,550.00	52.54	136.03	4,218.46	910.49	-276.04	-842.66	9.84	9.81	-0.97
4,581.00	55.64	136.45	4,236.64	892.36	-258.68	-817.56	10.06	10.00	1.35
4,613.00	58.19	136.52	4,254.10	872.92	-240.22	-790.75	7.97	7.97	0.22
4,644.00	59.69	136.55	4,270.10	853.64	-221.95	-764.20	4.84	4.84	0.10
4,676.00	59.64	136.23	4,286.26	833.65	-202.90	-736.59	0.88	-0.16	-1.00
4,707.00	60.93	135.14	4,301.63	814.39	-184.09	-709.66	5.16	4.16	-3.52
4,739.00	65.25	133.71	4,316.11	794.42	-163.72	-681.14	14.08	13.50	-4.47
4,770.00	68.67	133.39	4,328.24	774.77	-143.04	-652.64	11.07	11.03	-1.03
4,783.28	70.22	133.58	4,332.90	766.21	-134.02	-640.21	11.76	11.69	1.43
FTP @ 4783.28 MD 4332.90 TVD									
4,802.00	72.41	133.84	4,338.90	753.96	-121.20	-622.48	11.76	11.69	1.39
4,833.00	75.82	135.02	4,347.38	733.09	-99.92	-592.68	11.59	11.00	3.81
4,865.00	79.54	135.41	4,354.21	710.90	-77.90	-561.42	11.69	11.63	1.22
4,896.00	83.40	135.18	4,358.80	689.12	-56.34	-530.77	12.47	12.45	-0.74



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

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)
4,959.00	90.39	134.13	4,362.21	644.93	-11.61	-467.91	11.22	11.10	-1.67
5,053.00	91.48	133.61	4,360.68	579.80	56.14	-373.96	1.28	1.16	-0.55
5,148.00	90.62	134.46	4,358.94	513.78	124.43	-279.01	1.27	-0.91	0.89
5,242.00	90.53	133.88	4,358.00	448.28	191.85	-185.04	0.62	-0.10	-0.62
5,337.00	91.19	132.83	4,356.57	383.07	260.91	-90.11	1.31	0.69	-1.11
5,431.00	88.61	134.03	4,356.73	318.46	329.17	3.82	3.03	-2.74	1.28
5,526.00	89.06	133.53	4,358.67	252.74	397.74	98.76	0.71	0.47	-0.53
5,620.00	89.04	134.92	4,360.22	187.19	465.09	192.72	1.48	-0.02	1.48
5,715.00	89.51	135.31	4,361.43	119.89	532.13	287.71	0.64	0.49	0.41
5,810.00	90.04	135.52	4,361.80	52.23	598.82	382.71	0.60	0.56	0.22
5,904.00	90.14	136.28	4,361.65	-15.28	664.23	476.70	0.82	0.11	0.81
5,999.00	89.83	137.44	4,361.68	-84.60	729.19	571.67	1.26	-0.33	1.22
6,093.00	89.54	136.07	4,362.19	-153.07	793.59	665.65	1.49	-0.31	-1.46
6,187.00	89.32	135.06	4,363.13	-220.18	859.39	759.64	1.10	-0.23	-1.07
6,281.00	89.21	135.07	4,364.33	-286.72	925.78	853.63	0.12	-0.12	0.01
6,376.00	89.32	133.83	4,365.55	-353.24	993.59	948.61	1.31	0.12	-1.31
6,470.00	89.11	136.40	4,366.84	-419.83	1,059.91	1,042.59	2.74	-0.22	2.73
6,564.00	89.25	136.46	4,368.19	-487.93	1,124.69	1,136.56	0.16	0.15	0.06
6,658.00	88.74	136.04	4,369.83	-555.82	1,189.69	1,230.54	0.70	-0.54	-0.45
6,752.00	90.76	136.93	4,370.24	-623.98	1,254.40	1,324.52	2.35	2.15	0.95
6,846.00	91.16	135.74	4,368.67	-691.97	1,319.30	1,418.49	1.34	0.43	-1.27
6,941.00	91.84	134.78	4,366.18	-759.43	1,386.14	1,513.46	1.24	0.72	-1.01
7,035.00	89.67	135.73	4,364.94	-826.18	1,452.30	1,607.44	2.52	-2.31	1.01
7,129.00	90.16	135.59	4,365.08	-893.41	1,518.00	1,701.44	0.54	0.52	-0.15
7,224.00	90.97	135.40	4,364.15	-961.16	1,584.59	1,796.44	0.88	0.85	-0.20
7,318.00	91.27	135.10	4,362.31	-1,027.90	1,650.75	1,890.42	0.45	0.32	-0.32
7,412.00	91.86	133.74	4,359.74	-1,093.67	1,717.86	1,984.36	1.58	0.63	-1.45
7,507.00	90.57	136.26	4,357.73	-1,160.82	1,785.02	2,079.33	2.98	-1.36	2.65
7,601.00	90.84	135.72	4,356.57	-1,228.42	1,850.32	2,173.32	0.64	0.29	-0.57
7,695.00	89.04	137.85	4,356.67	-1,296.92	1,914.68	2,267.28	2.97	-1.91	2.27
7,789.00	89.30	138.48	4,358.03	-1,366.95	1,977.37	2,361.17	0.72	0.28	0.67
7,883.00	89.55	137.83	4,358.97	-1,436.97	2,040.08	2,455.06	0.74	0.27	-0.69
7,977.00	89.86	136.94	4,359.46	-1,506.15	2,103.72	2,549.01	1.00	0.33	-0.95
8,072.00	89.99	135.78	4,359.58	-1,574.89	2,169.28	2,643.99	1.23	0.14	-1.22
8,166.00	90.71	134.98	4,359.01	-1,641.80	2,235.30	2,737.99	1.14	0.77	-0.85
8,260.00	91.03	134.15	4,357.58	-1,707.75	2,302.26	2,831.97	0.95	0.34	-0.88
8,354.00	91.31	133.81	4,355.66	-1,773.01	2,369.89	2,925.92	0.47	0.30	-0.36
8,449.00	89.35	135.35	4,355.11	-1,839.69	2,437.55	3,020.89	2.62	-2.06	1.62
8,543.00	89.85	135.02	4,355.77	-1,906.37	2,503.80	3,114.89	0.64	0.53	-0.35
8,637.00	90.02	134.24	4,355.88	-1,972.41	2,570.70	3,208.88	0.85	0.18	-0.83
8,732.00	88.06	136.61	4,357.47	-2,040.06	2,637.35	3,303.86	3.24	-2.06	2.49
8,826.00	88.05	136.03	4,360.66	-2,108.00	2,702.24	3,397.79	0.62	-0.01	-0.62
8,920.00	88.21	135.34	4,363.73	-2,175.22	2,767.87	3,491.74	0.75	0.17	-0.73



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,014.00	88.20	134.63	4,366.67	-2,241.64	2,834.32	3,585.69	0.76	-0.01	-0.76	
9,108.00	90.08	137.24	4,368.08	-2,309.17	2,899.68	3,679.66	3.42	2.00	2.78	
9,203.00	90.87	136.76	4,367.30	-2,378.64	2,964.47	3,774.62	0.97	0.83	-0.51	
9,297.00	91.30	136.04	4,365.52	-2,446.70	3,029.28	3,868.59	0.89	0.46	-0.77	
9,391.00	91.75	135.44	4,363.01	-2,514.00	3,094.86	3,962.56	0.80	0.48	-0.64	
9,485.00	92.31	134.84	4,359.68	-2,580.59	3,161.12	4,056.50	0.87	0.60	-0.64	
9,580.00	90.68	135.72	4,357.21	-2,648.06	3,227.94	4,151.46	1.95	-1.72	0.93	
9,674.00	91.10	135.46	4,355.75	-2,715.21	3,293.71	4,245.45	0.53	0.45	-0.28	
9,768.00	90.67	133.77	4,354.29	-2,781.21	3,360.62	4,339.42	1.85	-0.46	-1.80	
9,863.00	90.17	135.92	4,353.60	-2,848.20	3,427.97	4,434.41	2.32	-0.53	2.26	
9,957.00	90.92	135.29	4,352.70	-2,915.36	3,493.73	4,528.40	1.04	0.80	-0.67	
10,051.00	91.37	134.34	4,350.82	-2,981.60	3,560.39	4,622.38	1.12	0.48	-1.01	
10,145.00	90.70	137.29	4,349.13	-3,048.99	3,625.89	4,716.35	3.22	-0.71	3.14	
10,239.00	91.26	136.85	4,347.52	-3,117.81	3,689.91	4,810.30	0.76	0.60	-0.47	
10,333.00	91.81	136.36	4,345.00	-3,186.09	3,754.46	4,904.25	0.78	0.59	-0.52	
10,427.00	92.32	135.56	4,341.61	-3,253.61	3,819.76	4,998.18	1.01	0.54	-0.85	
10,521.00	90.52	135.79	4,339.28	-3,320.84	3,885.42	5,092.15	1.93	-1.91	0.24	
10,615.00	90.92	136.18	4,338.10	-3,388.43	3,950.73	5,186.14	0.59	0.43	0.41	
10,709.00	91.27	136.12	4,336.31	-3,456.21	4,015.84	5,280.11	0.38	0.37	-0.06	
10,803.00	91.66	135.33	4,333.90	-3,523.49	4,081.44	5,374.08	0.94	0.41	-0.84	
10,898.00	89.72	135.81	4,332.76	-3,591.32	4,147.94	5,469.07	2.10	-2.04	0.51	
10,992.00	89.45	135.12	4,333.44	-3,658.32	4,213.86	5,563.06	0.79	-0.29	-0.73	
11,086.00	89.60	134.47	4,334.22	-3,724.55	4,280.56	5,657.05	0.71	0.16	-0.69	
11,180.00	89.87	134.29	4,334.65	-3,790.29	4,347.75	5,751.04	0.35	0.29	-0.19	
11,274.00	89.49	136.44	4,335.18	-3,857.18	4,413.78	5,845.03	2.32	-0.40	2.29	
11,368.00	89.70	135.83	4,335.84	-3,924.95	4,478.92	5,939.02	0.69	0.22	-0.65	
11,463.00	89.95	134.40	4,336.13	-3,992.26	4,545.96	6,034.01	1.53	0.26	-1.51	
11,557.00	90.07	134.03	4,336.12	-4,057.81	4,613.33	6,127.99	0.41	0.13	-0.39	
11,651.00	90.38	136.59	4,335.75	-4,124.63	4,679.43	6,221.98	2.74	0.33	2.72	
11,745.00	90.39	136.02	4,335.12	-4,192.59	4,744.37	6,315.97	0.61	0.01	-0.61	
11,839.00	90.82	135.44	4,334.12	-4,259.90	4,809.98	6,409.96	0.77	0.46	-0.62	
11,933.00	91.27	134.78	4,332.41	-4,326.48	4,876.31	6,503.95	0.85	0.48	-0.70	
12,027.00	91.80	134.24	4,329.89	-4,392.35	4,943.32	6,597.90	0.80	0.56	-0.57	
12,121.00	91.99	133.25	4,326.78	-4,457.31	5,011.19	6,691.80	1.07	0.20	-1.05	
12,215.00	91.70	137.02	4,323.76	-4,523.89	5,077.45	6,785.74	4.02	-0.31	4.01	
12,310.00	92.21	136.92	4,320.51	-4,593.30	5,142.24	6,880.65	0.55	0.54	-0.11	
12,403.00	92.85	136.21	4,316.41	-4,660.76	5,206.12	6,973.54	1.03	0.69	-0.76	
12,498.00	89.75	136.35	4,314.25	-4,729.39	5,271.75	7,068.49	3.27	-3.26	0.15	
12,592.00	89.79	135.38	4,314.63	-4,796.86	5,337.21	7,162.49	1.03	0.04	-1.03	
12,687.00	90.35	134.66	4,314.52	-4,864.05	5,404.36	7,257.48	0.96	0.59	-0.76	
12,781.00	90.72	133.77	4,313.64	-4,929.60	5,471.72	7,351.46	1.03	0.39	-0.95	
12,874.00	89.77	136.48	4,313.24	-4,995.50	5,537.33	7,444.44	3.09	-1.02	2.91	
12,969.00	90.13	136.15	4,313.32	-5,064.20	5,602.95	7,539.43	0.51	0.38	-0.35	
13,063.00	91.18	136.03	4,312.25	-5,131.91	5,668.14	7,633.42	1.12	1.12	-0.13	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,157.00	91.95	135.88	4,309.68	-5,199.45	5,733.46	7,727.38	0.83	0.82	-0.16
13,252.00	90.05	135.95	4,308.02	-5,267.68	5,799.54	7,822.36	2.00	-2.00	0.07
13,345.00	90.34	134.72	4,307.71	-5,333.82	5,864.92	7,915.36	1.36	0.31	-1.32
13,440.00	90.35	137.11	4,307.13	-5,402.06	5,931.00	8,010.35	2.52	0.01	2.52
13,534.00	90.99	136.87	4,306.04	-5,470.79	5,995.12	8,104.31	0.73	0.68	-0.26
13,628.00	91.96	135.84	4,303.62	-5,538.78	6,059.97	8,198.26	1.50	1.03	-1.10
13,723.00	89.80	135.51	4,302.16	-5,606.73	6,126.34	8,293.24	2.30	-2.27	-0.35
13,818.00	90.63	136.15	4,301.80	-5,674.87	6,192.54	8,388.24	1.10	0.87	0.67
13,912.00	91.00	137.05	4,300.46	-5,743.16	6,257.11	8,482.21	1.04	0.39	0.96
14,006.00	91.50	136.10	4,298.41	-5,811.42	6,321.71	8,576.17	1.14	0.53	-1.01
14,101.00	92.13	135.48	4,295.40	-5,879.48	6,387.92	8,671.12	0.93	0.66	-0.65
14,195.00	89.84	133.76	4,293.79	-5,945.48	6,454.81	8,765.09	3.05	-2.44	-1.83
14,290.00	90.35	132.92	4,293.63	-6,010.68	6,523.91	8,860.02	1.03	0.54	-0.88
14,384.00	88.90	134.87	4,294.25	-6,075.85	6,591.64	8,953.97	2.59	-1.54	2.07
14,478.00	89.21	135.50	4,295.80	-6,142.53	6,657.88	9,047.96	0.75	0.33	0.67
14,572.00	89.98	135.07	4,296.46	-6,209.32	6,724.01	9,141.96	0.94	0.82	-0.46
14,666.00	90.16	133.49	4,296.35	-6,274.95	6,791.31	9,235.93	1.69	0.19	-1.68
14,760.00	90.58	133.80	4,295.74	-6,339.82	6,859.33	9,329.88	0.56	0.45	0.33
14,855.00	90.78	132.75	4,294.61	-6,404.94	6,928.49	9,424.80	1.13	0.21	-1.11
14,862.10	90.84	132.71	4,294.51	-6,409.76	6,933.71	9,431.90	0.98	0.79	-0.58
LTP @ 14862.10 MD 4294.51 TVD									
14,869.00	90.89	132.67	4,294.41	-6,414.43	6,938.78	9,438.79	0.98	0.79	-0.58
330 ppd @ 14869.00 MD 4294.41 TVD									
14,931.00	91.38	132.31	4,293.18	-6,456.30	6,984.49	9,500.69	0.98	0.79	-0.58
Survey @ 14931.00 MD 4293.18 TVD									
14,992.00	91.38	132.31	4,291.71	-6,497.35	7,029.58	9,561.58	0.00	0.00	0.00
Survey proj. to 14992 MD 4291.71 TVD 160 FSL 239 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
455.00	455.00	1.33	0.00	MWD surveys
2,823.50	2,676.47	601.32	-272.01	9 5/8" Casing Shoe @ 2823.50 MD 2676.47 TVD
4,783.28	4,332.90	766.21	-134.02	FTP @ 4783.28 MD 4332.90 TVD
14,862.10	4,294.51	-6,409.76	6,933.71	LTP @ 14862.10 MD 4294.51 TVD
14,869.00	4,294.41	-6,414.43	6,938.78	330 ppd @ 14869.00 MD 4294.41 TVD
14,931.00	4,293.18	-6,456.30	6,984.49	Survey @ 14931.00 MD 4293.18 TVD
14,992.00	4,291.71	-6,497.35	7,029.58	Survey proj. to 14992 MD 4291.71 TVD 160 FSL 239 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

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	Greater Lybrook 57 Pad (53,54,55,56 & 57)				
Site Position:		Northing:	1,895,341.59 usft	Latitude:	36.20888700
From:	Lat/Long	Easting:	2,745,902.47 usft	Longitude:	-107.75601000
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.05 °

Well	Greater Lybrook Unit No. 055H, Surf loc: 1376 FSL 2024 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,362.67 usft	Latitude:	36.20894500
	+E/-W	0.00 ft	Easting:	2,745,868.53 usft	Longitude:	-107.75612500
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,802.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/13/2024	8.53	62.67	49,032.34354952

Design	MWD surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	135.47	

Survey Program	Date	2/4/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,772.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,852.00	14,931.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,992.00	14,992.00	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	0.00	0.00	0.00	0.00	1,895,362.67	2,745,868.53	36.20894500	-107.75612500	
8.00	0.00	0.00	8.00	0.00	0.00	1,895,362.67	2,745,868.53	36.20894500	-107.75612500	
455.00	0.34	0.16	455.00	1.33	0.00	1,895,364.00	2,745,868.53	36.20894864	-107.75612499	
MWD surveys										
484.00	0.36	0.68	484.00	1.50	0.01	1,895,364.18	2,745,868.53	36.20894913	-107.75612498	
543.00	0.29	344.92	543.00	1.83	-0.03	1,895,364.51	2,745,868.49	36.20895004	-107.75612511	
603.00	0.35	1.83	602.99	2.16	-0.07	1,895,364.84	2,745,868.46	36.20895094	-107.75612522	
663.00	0.48	338.83	662.99	2.58	-0.15	1,895,365.25	2,745,868.38	36.20895209	-107.75612551	
724.00	0.33	341.55	723.99	2.99	-0.30	1,895,365.66	2,745,868.23	36.20895320	-107.75612601	
784.00	0.34	324.44	783.99	3.29	-0.46	1,895,365.97	2,745,868.07	36.20895405	-107.75612654	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
844.00	0.42	335.02	843.99	3.64	-0.65	1,895,366.31	2,745,867.87	36.20895500	-107.75612721
903.00	0.33	354.00	902.99	4.00	-0.76	1,895,366.68	2,745,867.76	36.20895600	-107.75612758
963.00	0.40	347.91	962.99	4.38	-0.82	1,895,367.05	2,745,867.70	36.20895703	-107.75612779
1,028.00	1.96	350.95	1,027.97	5.70	-1.05	1,895,368.37	2,745,867.48	36.20896066	-107.75612854
1,091.00	3.65	345.71	1,090.89	8.71	-1.71	1,895,371.38	2,745,866.82	36.20896892	-107.75613078
1,155.00	5.54	344.62	1,154.69	13.66	-3.03	1,895,376.33	2,745,865.49	36.20898253	-107.75613525
1,218.00	7.49	340.64	1,217.28	20.47	-5.20	1,895,383.14	2,745,863.33	36.20900124	-107.75614258
1,281.00	9.35	339.18	1,279.59	29.12	-8.38	1,895,391.80	2,745,860.15	36.20902503	-107.75615334
1,344.00	10.78	335.14	1,341.62	39.25	-12.68	1,895,401.93	2,745,855.85	36.20905286	-107.75616787
1,407.00	12.48	332.12	1,403.33	50.62	-18.34	1,895,413.29	2,745,850.19	36.20908409	-107.75618703
1,470.00	14.11	331.83	1,464.64	63.41	-25.15	1,895,426.08	2,745,843.38	36.20911924	-107.75621008
1,533.00	15.64	332.45	1,525.52	77.71	-32.70	1,895,440.38	2,745,835.83	36.20915854	-107.75623564
1,597.00	17.15	332.49	1,586.92	93.72	-41.05	1,895,456.40	2,745,827.48	36.20920256	-107.75626390
1,659.00	18.82	332.80	1,645.89	110.73	-49.84	1,895,473.40	2,745,818.68	36.20924929	-107.75629366
1,722.00	20.67	333.12	1,705.18	129.69	-59.52	1,895,492.36	2,745,809.01	36.20930139	-107.75632640
1,786.00	22.34	333.67	1,764.73	150.66	-70.02	1,895,513.34	2,745,798.51	36.20935904	-107.75636195
1,849.00	24.07	333.60	1,822.63	172.90	-81.04	1,895,535.58	2,745,787.48	36.20942016	-107.75639926
1,912.00	25.98	335.59	1,879.71	196.98	-92.46	1,895,559.65	2,745,776.07	36.20948632	-107.75643789
1,975.00	28.21	337.28	1,935.79	223.28	-103.91	1,895,585.96	2,745,764.61	36.20955860	-107.75647665
2,038.00	30.02	337.53	1,990.83	251.58	-115.69	1,895,614.26	2,745,752.84	36.20963637	-107.75651649
2,101.00	30.38	337.75	2,045.28	280.89	-127.75	1,895,643.56	2,745,740.78	36.20971691	-107.75655728
2,164.00	29.99	337.03	2,099.74	310.13	-139.92	1,895,672.80	2,745,728.60	36.20979727	-107.75659847
2,227.00	29.31	336.43	2,154.49	338.76	-152.23	1,895,701.44	2,745,716.29	36.20987594	-107.75664013
2,290.00	30.06	337.06	2,209.22	367.43	-164.55	1,895,730.10	2,745,703.98	36.20995472	-107.75668180
2,353.00	30.21	336.17	2,263.71	396.46	-177.10	1,895,759.13	2,745,691.42	36.21003449	-107.75672428
2,416.00	29.19	335.64	2,318.43	424.95	-189.84	1,895,787.62	2,745,678.68	36.21011280	-107.75676739
2,479.00	28.85	334.92	2,373.52	452.71	-202.62	1,895,815.39	2,745,665.90	36.21018909	-107.75681064
2,542.00	28.26	335.49	2,428.86	480.05	-215.25	1,895,842.72	2,745,653.27	36.21026421	-107.75685338
2,605.00	28.58	335.69	2,484.26	507.35	-227.64	1,895,870.03	2,745,640.88	36.21033924	-107.75689531
2,669.00	28.63	335.06	2,540.45	535.21	-240.41	1,895,897.88	2,745,628.12	36.21041579	-107.75693851
2,732.00	28.29	334.52	2,595.84	562.37	-253.20	1,895,925.04	2,745,615.33	36.21049043	-107.75698179
2,772.00	28.30	334.70	2,631.06	579.50	-261.33	1,895,942.17	2,745,607.20	36.21053751	-107.75700930
2,823.50	28.01	333.12	2,676.47	601.32	-272.01	1,895,964.00	2,745,596.51	36.21059748	-107.75704546
9 5/8" Casing Shoe @ 2823.50 MD 2676.47 TVD									
2,852.00	27.86	332.24	2,701.64	613.19	-278.14	1,895,975.86	2,745,590.39	36.21063008	-107.75706620
2,884.00	27.58	331.96	2,729.97	626.34	-285.10	1,895,989.01	2,745,583.42	36.21066624	-107.75708977
2,978.00	27.75	334.14	2,813.23	665.24	-304.88	1,896,027.91	2,745,563.65	36.21077314	-107.75715670
3,072.00	27.38	333.19	2,896.56	704.23	-324.17	1,896,066.90	2,745,544.35	36.21088028	-107.75722200
3,166.00	27.72	338.16	2,979.91	743.82	-342.06	1,896,106.49	2,745,526.47	36.21098907	-107.75728252
3,261.00	27.56	337.92	3,064.07	784.69	-358.54	1,896,147.36	2,745,509.99	36.21110139	-107.75733828
3,355.00	26.64	336.97	3,147.75	824.24	-374.96	1,896,186.91	2,745,493.57	36.21121006	-107.75739384
3,450.00	28.60	335.62	3,231.92	864.55	-392.68	1,896,227.22	2,745,475.85	36.21132085	-107.75745380
3,544.00	28.14	334.28	3,314.63	905.01	-411.58	1,896,267.69	2,745,456.94	36.21143205	-107.75751778
3,639.00	26.50	335.16	3,399.03	944.43	-430.21	1,896,307.10	2,745,438.32	36.21154038	-107.75758082
3,702.00	25.00	331.50	3,455.78	968.89	-442.47	1,896,331.56	2,745,426.06	36.21160759	-107.75762231
3,733.00	24.61	330.60	3,483.92	980.27	-448.76	1,896,342.94	2,745,419.76	36.21163887	-107.75764362
3,765.00	22.11	331.25	3,513.29	991.36	-454.93	1,896,354.03	2,745,413.59	36.21166933	-107.75766450
3,796.00	19.39	333.71	3,542.28	1,001.09	-460.02	1,896,363.76	2,745,408.51	36.21169608	-107.75768171
3,827.00	16.52	336.47	3,571.77	1,009.75	-464.06	1,896,372.42	2,745,404.47	36.21171987	-107.75769538
3,859.00	13.77	344.60	3,602.66	1,017.59	-466.89	1,896,380.26	2,745,401.64	36.21174142	-107.75770495
3,890.00	12.01	354.08	3,632.88	1,024.36	-468.20	1,896,387.03	2,745,400.33	36.21176001	-107.75770938
3,921.00	10.94	3.67	3,663.26	1,030.50	-468.34	1,896,393.17	2,745,400.18	36.21177689	-107.75770986
3,953.00	8.99	18.23	3,694.78	1,035.91	-467.37	1,896,398.58	2,745,401.16	36.21179174	-107.75770653
3,984.00	8.96	39.03	3,725.41	1,040.08	-465.09	1,896,402.76	2,745,403.44	36.21180321	-107.75769880
4,016.00	9.50	53.78	3,757.00	1,043.58	-461.39	1,896,406.25	2,745,407.14	36.21181281	-107.75768624



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,047.00	9.91	65.00	3,787.56	1,046.22	-456.91	1,896,408.89	2,745,411.62	36.21182005	-107.75767104
4,079.00	11.19	79.01	3,819.02	1,047.98	-451.36	1,896,410.65	2,745,417.17	36.21182486	-107.75765224
4,110.00	12.92	90.84	3,849.34	1,048.50	-444.94	1,896,411.17	2,745,423.58	36.21182629	-107.75763048
4,141.00	15.00	101.66	3,879.43	1,047.64	-437.55	1,896,410.31	2,745,430.98	36.21182390	-107.75760541
4,172.00	17.12	106.60	3,909.22	1,045.52	-429.24	1,896,408.19	2,745,439.28	36.21181807	-107.75757727
4,204.00	19.50	112.01	3,939.60	1,042.17	-419.78	1,896,404.85	2,745,448.75	36.21180886	-107.75754518
4,235.00	22.26	118.73	3,968.56	1,037.41	-409.83	1,896,400.08	2,745,458.70	36.21179575	-107.75751147
4,267.00	24.04	124.97	3,997.99	1,030.76	-399.17	1,896,393.43	2,745,469.36	36.21177746	-107.75747536
4,298.00	26.53	128.42	4,026.02	1,022.84	-388.57	1,896,385.51	2,745,479.96	36.21175567	-107.75743944
4,330.00	29.34	131.39	4,054.29	1,013.21	-377.08	1,896,375.88	2,745,491.44	36.21172920	-107.75740054
4,361.00	32.42	133.49	4,080.89	1,002.47	-365.35	1,896,365.14	2,745,503.17	36.21169966	-107.75736081
4,393.00	36.29	134.48	4,107.31	989.92	-352.37	1,896,352.59	2,745,516.16	36.21166517	-107.75731682
4,424.00	39.97	135.78	4,131.69	976.35	-338.87	1,896,339.03	2,745,529.65	36.21162787	-107.75727111
4,455.00	43.42	136.49	4,154.83	961.49	-324.59	1,896,324.16	2,745,543.94	36.21158700	-107.75722273
4,487.00	46.31	136.65	4,177.51	945.10	-309.07	1,896,307.77	2,745,559.45	36.21154193	-107.75717018
4,518.00	49.40	136.34	4,198.31	928.43	-293.25	1,896,291.10	2,745,575.28	36.21149611	-107.75711659
4,550.00	52.54	136.03	4,218.46	910.49	-276.04	1,896,273.16	2,745,592.48	36.21144681	-107.75705830
4,581.00	55.64	136.45	4,236.64	892.36	-258.68	1,896,255.03	2,745,609.85	36.21139696	-107.75699949
4,613.00	58.19	136.52	4,254.10	872.92	-240.22	1,896,235.59	2,745,628.31	36.21134351	-107.75693697
4,644.00	59.69	136.55	4,270.10	853.64	-221.95	1,896,216.32	2,745,646.57	36.21129052	-107.75687510
4,676.00	59.64	136.23	4,286.26	833.65	-202.90	1,896,196.32	2,745,665.62	36.21123555	-107.75681057
4,707.00	60.93	135.14	4,301.63	814.39	-184.09	1,896,177.06	2,745,684.43	36.21118259	-107.75674686
4,739.00	65.25	133.71	4,316.11	794.42	-163.72	1,896,157.09	2,745,704.81	36.21112771	-107.75667784
4,770.00	68.67	133.39	4,328.24	774.77	-143.04	1,896,137.44	2,745,725.48	36.21107368	-107.75660781
4,783.28	70.22	133.58	4,332.90	766.21	-134.02	1,896,128.89	2,745,734.50	36.21105015	-107.75657725
FTP @ 4783.28 MD 4332.90 TVD									
4,802.00	72.41	133.84	4,338.90	753.96	-121.20	1,896,116.63	2,745,747.32	36.21101646	-107.75653383
4,833.00	75.82	135.02	4,347.38	733.09	-99.92	1,896,095.76	2,745,768.61	36.21095908	-107.75646173
4,865.00	79.54	135.41	4,354.21	710.90	-77.90	1,896,073.58	2,745,790.63	36.21089809	-107.75638715
4,896.00	83.40	135.18	4,358.80	689.12	-56.34	1,896,051.79	2,745,812.19	36.21083820	-107.75631412
4,959.00	90.39	134.13	4,362.21	644.93	-11.61	1,896,007.61	2,745,856.91	36.21071672	-107.75616264
5,053.00	91.48	133.61	4,360.68	579.80	56.14	1,895,942.47	2,745,924.67	36.21053764	-107.75593313
5,148.00	90.62	134.46	4,358.94	513.78	124.43	1,895,876.45	2,745,992.95	36.21035612	-107.75570184
5,242.00	90.53	133.88	4,358.00	448.28	191.85	1,895,810.96	2,746,060.37	36.21017606	-107.75547348
5,337.00	91.19	132.83	4,356.57	383.07	260.91	1,895,745.75	2,746,129.44	36.20999676	-107.75523953
5,431.00	88.61	134.03	4,356.73	318.46	329.17	1,895,681.13	2,746,197.69	36.20981911	-107.75500833
5,526.00	89.06	133.53	4,358.67	252.74	397.74	1,895,615.41	2,746,266.27	36.20963843	-107.75477605
5,620.00	89.04	134.92	4,360.22	187.19	465.09	1,895,549.86	2,746,333.62	36.20945820	-107.75454793
5,715.00	89.51	135.31	4,361.43	119.89	532.13	1,895,482.56	2,746,400.65	36.20927316	-107.75432088
5,810.00	90.04	135.52	4,361.80	52.23	598.82	1,895,414.90	2,746,467.34	36.20908715	-107.75409502
5,904.00	90.14	136.28	4,361.65	-15.28	664.23	1,895,347.40	2,746,532.76	36.20890156	-107.75387346
5,999.00	89.83	137.44	4,361.68	-84.60	729.19	1,895,278.08	2,746,597.71	36.20871099	-107.75365346
6,093.00	89.54	136.07	4,362.19	-153.07	793.59	1,895,209.61	2,746,662.11	36.20852275	-107.75343536
6,187.00	89.32	135.06	4,363.13	-220.18	859.39	1,895,142.49	2,746,727.92	36.20833823	-107.75321249
6,281.00	89.21	135.07	4,364.33	-286.72	925.78	1,895,075.95	2,746,794.30	36.20815529	-107.75298764
6,376.00	89.32	133.83	4,365.55	-353.24	993.59	1,895,009.43	2,746,862.11	36.20797240	-107.75275797
6,470.00	89.11	136.40	4,366.84	-419.83	1,059.91	1,894,942.84	2,746,928.44	36.20778932	-107.75253334
6,564.00	89.25	136.46	4,368.19	-487.93	1,124.69	1,894,874.75	2,746,993.22	36.20760210	-107.75231394
6,658.00	88.74	136.04	4,369.83	-555.82	1,189.69	1,894,806.85	2,747,058.21	36.20741544	-107.75209383
6,752.00	90.76	136.93	4,370.24	-623.98	1,254.40	1,894,738.69	2,747,122.93	36.20722804	-107.75187465
6,846.00	91.16	135.74	4,368.67	-691.97	1,319.30	1,894,670.70	2,747,187.82	36.20704113	-107.75165488
6,941.00	91.84	134.78	4,366.18	-759.43	1,386.14	1,894,603.25	2,747,254.66	36.20685567	-107.75142849
7,035.00	89.67	135.73	4,364.94	-826.18	1,452.30	1,894,536.50	2,747,320.83	36.20667214	-107.75120442
7,129.00	90.16	135.59	4,365.08	-893.41	1,518.00	1,894,469.27	2,747,386.52	36.20648730	-107.75098192
7,224.00	90.97	135.40	4,364.15	-961.16	1,584.59	1,894,401.52	2,747,453.11	36.20630103	-107.75075640



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,318.00	91.27	135.10	4,362.31	-1,027.90	1,650.75	1,894,334.77	2,747,519.28	36.20611752	-107.75053232
7,412.00	91.86	133.74	4,359.74	-1,093.67	1,717.86	1,894,269.01	2,747,586.39	36.20593670	-107.75030503
7,507.00	90.57	136.26	4,357.73	-1,160.82	1,785.02	1,894,201.86	2,747,653.54	36.20575207	-107.75007760
7,601.00	90.84	135.72	4,356.57	-1,228.42	1,850.32	1,894,134.25	2,747,718.84	36.20556620	-107.74985644
7,695.00	89.04	137.85	4,356.67	-1,296.92	1,914.68	1,894,065.75	2,747,783.20	36.20537788	-107.74963849
7,789.00	89.30	138.48	4,358.03	-1,366.95	1,977.37	1,893,995.73	2,747,845.89	36.20518535	-107.74942620
7,883.00	89.55	137.83	4,358.97	-1,436.97	2,040.08	1,893,925.71	2,747,908.60	36.20499285	-107.74921386
7,977.00	89.86	136.94	4,359.46	-1,506.15	2,103.72	1,893,856.53	2,747,972.24	36.20480267	-107.74899834
8,072.00	89.99	135.78	4,359.58	-1,574.89	2,169.28	1,893,787.78	2,748,037.80	36.20461365	-107.74877632
8,166.00	90.71	134.98	4,359.01	-1,641.80	2,235.30	1,893,720.88	2,748,103.82	36.20442970	-107.74855273
8,260.00	91.03	134.15	4,357.58	-1,707.75	2,302.26	1,893,654.92	2,748,170.79	36.20424836	-107.74832595
8,354.00	91.31	133.81	4,355.66	-1,773.01	2,369.89	1,893,589.66	2,748,238.41	36.20406892	-107.74809692
8,449.00	89.35	135.35	4,355.11	-1,839.69	2,437.55	1,893,522.99	2,748,306.07	36.20388559	-107.74786779
8,543.00	89.85	135.02	4,355.77	-1,906.37	2,503.80	1,893,456.31	2,748,372.32	36.20370225	-107.74764343
8,637.00	90.02	134.24	4,355.88	-1,972.41	2,570.70	1,893,390.27	2,748,439.22	36.20352068	-107.74741688
8,732.00	88.06	136.61	4,357.47	-2,040.06	2,637.35	1,893,322.62	2,748,505.88	36.20333467	-107.74719114
8,826.00	88.05	136.03	4,360.66	-2,108.00	2,702.24	1,893,254.68	2,748,570.76	36.20314787	-107.74697143
8,920.00	88.21	135.34	4,363.73	-2,175.22	2,767.87	1,893,187.45	2,748,636.39	36.20296304	-107.74674917
9,014.00	88.20	134.63	4,366.67	-2,241.64	2,834.32	1,893,121.04	2,748,702.84	36.20278042	-107.74652413
9,108.00	90.08	137.24	4,368.08	-2,309.17	2,899.68	1,893,053.51	2,748,768.20	36.20259476	-107.74630281
9,203.00	90.87	136.76	4,367.30	-2,378.64	2,964.47	1,892,984.03	2,748,832.99	36.20240374	-107.74608342
9,297.00	91.30	136.04	4,365.52	-2,446.70	3,029.28	1,892,915.97	2,748,897.80	36.20221662	-107.74586395
9,391.00	91.75	135.44	4,363.01	-2,514.00	3,094.86	1,892,848.68	2,748,963.38	36.20203158	-107.74564188
9,485.00	92.31	134.84	4,359.68	-2,580.59	3,161.12	1,892,782.09	2,749,029.64	36.20184850	-107.74541748
9,580.00	90.68	135.72	4,357.21	-2,648.06	3,227.94	1,892,714.61	2,749,096.46	36.20166296	-107.74519121
9,674.00	91.10	135.46	4,355.75	-2,715.21	3,293.71	1,892,647.47	2,749,162.23	36.20147836	-107.74496848
9,768.00	90.67	133.77	4,354.29	-2,781.21	3,360.62	1,892,581.46	2,749,229.14	36.20129686	-107.74474193
9,863.00	90.17	135.92	4,353.60	-2,848.20	3,427.97	1,892,514.48	2,749,296.49	36.20111267	-107.74451385
9,957.00	90.92	135.29	4,352.70	-2,915.36	3,493.73	1,892,447.31	2,749,362.25	36.20092800	-107.74429118
10,051.00	91.37	134.34	4,350.82	-2,981.60	3,560.39	1,892,381.08	2,749,428.91	36.20074587	-107.74406542
10,145.00	90.70	137.29	4,349.13	-3,048.99	3,625.89	1,892,313.69	2,749,494.41	36.20056058	-107.74384363
10,239.00	91.26	136.85	4,347.52	-3,117.81	3,689.91	1,892,244.87	2,749,558.42	36.20037138	-107.74362688
10,333.00	91.81	136.36	4,345.00	-3,186.09	3,754.46	1,892,176.59	2,749,622.98	36.20018364	-107.74340829
10,427.00	92.32	135.56	4,341.61	-3,253.61	3,819.76	1,892,109.07	2,749,688.28	36.19999797	-107.74318717
10,521.00	90.52	135.79	4,339.28	-3,320.84	3,885.42	1,892,041.84	2,749,753.94	36.19981314	-107.74296484
10,615.00	90.92	136.18	4,338.10	-3,388.43	3,950.73	1,891,974.25	2,749,819.25	36.19962728	-107.74274370
10,709.00	91.27	136.12	4,336.31	-3,456.21	4,015.84	1,891,906.47	2,749,884.36	36.19944092	-107.74252323
10,803.00	91.66	135.33	4,333.90	-3,523.49	4,081.44	1,891,839.19	2,749,949.96	36.19925593	-107.74230111
10,898.00	89.72	135.81	4,332.76	-3,591.32	4,147.94	1,891,771.36	2,750,016.45	36.19906942	-107.74207595
10,992.00	89.45	135.12	4,333.44	-3,658.32	4,213.86	1,891,704.36	2,750,082.38	36.19888518	-107.74185272
11,086.00	89.60	134.47	4,334.22	-3,724.55	4,280.56	1,891,638.13	2,750,149.08	36.19870308	-107.74162686
11,180.00	89.87	134.29	4,334.65	-3,790.29	4,347.75	1,891,572.39	2,750,216.26	36.19852230	-107.74139937
11,274.00	89.49	136.44	4,335.18	-3,857.18	4,413.78	1,891,505.50	2,750,282.30	36.19833838	-107.74117576
11,368.00	89.70	135.83	4,335.84	-3,924.95	4,478.92	1,891,437.73	2,750,347.44	36.19815204	-107.74095521
11,463.00	89.95	134.40	4,336.13	-3,992.26	4,545.96	1,891,370.42	2,750,414.48	36.19796697	-107.74072822
11,557.00	90.07	134.03	4,336.12	-4,057.81	4,613.33	1,891,304.87	2,750,481.85	36.19778672	-107.74050008
11,651.00	90.38	136.59	4,335.75	-4,124.63	4,679.43	1,891,238.05	2,750,547.95	36.19760298	-107.74027627
11,745.00	90.39	136.02	4,335.12	-4,192.59	4,744.37	1,891,170.09	2,750,612.88	36.19741611	-107.74005640
11,839.00	90.82	135.44	4,334.12	-4,259.90	4,809.98	1,891,102.78	2,750,678.50	36.19723104	-107.73983425
11,933.00	91.27	134.78	4,332.41	-4,326.48	4,876.31	1,891,036.20	2,750,744.82	36.19704795	-107.73960966
12,027.00	91.80	134.24	4,329.89	-4,392.35	4,943.32	1,890,970.33	2,750,811.83	36.19686682	-107.73938277
12,121.00	91.99	133.25	4,326.78	-4,457.31	5,011.19	1,890,905.37	2,750,879.70	36.19668818	-107.73915295
12,215.00	91.70	137.02	4,323.76	-4,523.89	5,077.45	1,890,838.79	2,750,945.97	36.19650511	-107.73892859
12,310.00	92.21	136.92	4,320.51	-4,593.30	5,142.24	1,890,769.39	2,751,010.76	36.19631428	-107.73870923
12,403.00	92.85	136.21	4,316.41	-4,660.76	5,206.12	1,890,701.92	2,751,074.63	36.19612877	-107.73849296



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 055H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Site:	Greater Lybrook 57 Pad (53,54,55,56 & 57)	MD Reference:	RKB=6802+25 @ 6827.00ft (Aztec 1000)
Well:	Greater Lybrook Unit No. 055H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Jan1924v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,498.00	89.75	136.35	4,314.25	-4,729.39	5,271.75	1,890,633.29	2,751,140.27	36.19594005	-107.73827075
12,592.00	89.79	135.38	4,314.63	-4,796.86	5,337.21	1,890,565.83	2,751,205.72	36.19575455	-107.73804913
12,687.00	90.35	134.66	4,314.52	-4,864.05	5,404.36	1,890,498.63	2,751,272.87	36.19556977	-107.73782177
12,781.00	90.72	133.77	4,313.64	-4,929.60	5,471.72	1,890,433.08	2,751,340.24	36.19538952	-107.73759366
12,874.00	89.77	136.48	4,313.24	-4,995.50	5,537.33	1,890,367.18	2,751,405.85	36.19520832	-107.73737152
12,969.00	90.13	136.15	4,313.32	-5,064.20	5,602.95	1,890,298.49	2,751,471.47	36.19501942	-107.73714937
13,063.00	91.18	136.03	4,312.25	-5,131.91	5,668.14	1,890,230.77	2,751,536.65	36.19483322	-107.73692867
13,157.00	91.95	135.88	4,309.68	-5,199.45	5,733.46	1,890,163.23	2,751,601.98	36.19464750	-107.73670750
13,252.00	90.05	135.95	4,308.02	-5,267.68	5,799.54	1,890,095.00	2,751,668.06	36.19445990	-107.73648377
13,345.00	90.34	134.72	4,307.71	-5,333.82	5,864.92	1,890,028.86	2,751,733.43	36.19427802	-107.73626243
13,440.00	90.35	137.11	4,307.13	-5,402.06	5,931.00	1,889,960.63	2,751,799.52	36.19409039	-107.73603869
13,534.00	90.99	136.87	4,306.04	-5,470.79	5,995.12	1,889,891.90	2,751,863.63	36.19390141	-107.73582163
13,628.00	91.96	135.84	4,303.62	-5,538.78	6,059.97	1,889,823.90	2,751,928.49	36.19371443	-107.73560206
13,723.00	89.80	135.51	4,302.16	-5,606.73	6,126.34	1,889,755.95	2,751,994.86	36.19352758	-107.73537737
13,818.00	90.63	136.15	4,301.80	-5,674.87	6,192.54	1,889,687.81	2,752,061.05	36.19334021	-107.73515326
13,912.00	91.00	137.05	4,300.46	-5,743.16	6,257.11	1,889,619.52	2,752,125.63	36.19315243	-107.73493464
14,006.00	91.50	136.10	4,298.41	-5,811.42	6,321.71	1,889,551.27	2,752,190.23	36.19296476	-107.73471594
14,101.00	92.13	135.48	4,295.40	-5,879.48	6,387.92	1,889,483.21	2,752,256.44	36.19277760	-107.73449179
14,195.00	89.84	133.76	4,293.79	-5,945.48	6,454.81	1,889,417.20	2,752,323.33	36.19259608	-107.73426532
14,290.00	90.35	132.92	4,293.63	-6,010.68	6,523.91	1,889,352.00	2,752,392.42	36.19241678	-107.73403139
14,384.00	88.90	134.87	4,294.25	-6,075.85	6,591.64	1,889,286.83	2,752,460.15	36.19223757	-107.73380207
14,478.00	89.21	135.50	4,295.80	-6,142.53	6,657.88	1,889,220.16	2,752,526.39	36.19205422	-107.73357780
14,572.00	89.98	135.07	4,296.46	-6,209.32	6,724.01	1,889,153.36	2,752,592.53	36.19187054	-107.73335390
14,666.00	90.16	133.49	4,296.35	-6,274.95	6,791.31	1,889,087.74	2,752,659.82	36.19169007	-107.73312606
14,760.00	90.58	133.80	4,295.74	-6,339.82	6,859.33	1,889,022.86	2,752,727.84	36.19151166	-107.73289577
14,855.00	90.78	132.75	4,294.61	-6,404.94	6,928.49	1,888,957.75	2,752,797.00	36.19133258	-107.73266161
14,862.10	90.84	132.71	4,294.51	-6,409.76	6,933.71	1,888,952.93	2,752,802.22	36.19131933	-107.73264396
LTP @ 14862.10 MD 4294.51 TVD									
14,869.00	90.89	132.67	4,294.41	-6,414.43	6,938.78	1,888,948.25	2,752,807.29	36.19130647	-107.73262679
330 ppd @ 14869.00 MD 4294.41 TVD									
14,931.00	91.38	132.31	4,293.18	-6,456.30	6,984.49	1,888,906.38	2,752,853.00	36.19119132	-107.73247203
Survey @ 14931.00 MD 4293.18 TVD									
14,992.00	91.38	132.31	4,291.71	-6,497.35	7,029.58	1,888,865.33	2,752,898.10	36.19107842	-107.73231934
Survey proj. to 14992 MD 4291.71 TVD 160 FSL 239 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
455.00	455.00	1.33	0.00	MWD surveys
2,823.50	2,676.47	601.32	-272.01	9 5/8" Casing Shoe @ 2823.50 MD 2676.47 TVD
4,783.28	4,332.90	766.21	-134.02	FTP @ 4783.28 MD 4332.90 TVD
14,862.10	4,294.51	-6,409.76	6,933.71	LTP @ 14862.10 MD 4294.51 TVD
14,869.00	4,294.41	-6,414.43	6,938.78	330 ppd @ 14869.00 MD 4294.41 TVD
14,931.00	4,293.18	-6,456.30	6,984.49	Survey @ 14931.00 MD 4293.18 TVD
14,992.00	4,291.71	-6,497.35	7,029.58	Survey proj. to 14992 MD 4291.71 TVD 160 FSL 239 FEL

WELL NAME: GREATER LYBROOK UNIT 055H

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

API Number: 30-045-38309

AFE Number: DV03075

ER Well Number: NM08270.01

State: New Mexico

County: San Juan

Surface Elev.: 6,802 ft ASL (GL) 6,827 ft ASL (KB)

Surface Location: 23-23N-09W Sec-Twn- Rng 1,376 ft FSL 2,024 ft FEL

BH Location: 25-23N-09W Sec-Twn- Rng 232 ft FSL 306 ft FEL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 1.2 miles to 4-way intersection; Right (West) exiting CR #7890 along existing roadway for 0.6 mile to fork; Right (Northwest) for 0.3 miles to new access road; Left on access road for 0.2 miles to W LYBROOK UNIT 772H PAD (772H, 773H, 774H, 775H, 776H wells).

QUICK REFERENCE	
Sur TD (MD)	375 ft
Int TD (MD)	2,815 ft
KOP (MD)	3,785 ft
KOP (TVD)	3,529 ft
Target (TVD)	4,384 ft
Curve BUR	10 °/100 ft
POE (MD)	5,014 ft
TD (MD)	14,992 ft
Lat Len (ft)	9,928 ft

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	417	417
Kirtland	520	520
Fruitland	720	721
Pictured Cliffs	1,100	1,120
Lewis	1,222	1,257
Chacra	1,491	1,568
Cliff House	2,548	2,792
Menefee	2,573	2,821
Point Lookout	3,530	3,928
Mancos	3,675	4,085
Gallup (MNCS_A)	4,035	4,450

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	375	13.375	54.5	J-55	BTC	0	375
Intermediate	12.250	2,815	9.625	36.0	J-55	LTC	0	2,815
Production	8.500	14,962	5.500	17.0	P-110	LTC	0	14,962

CEMENT PROPERTIES SUMMARY:

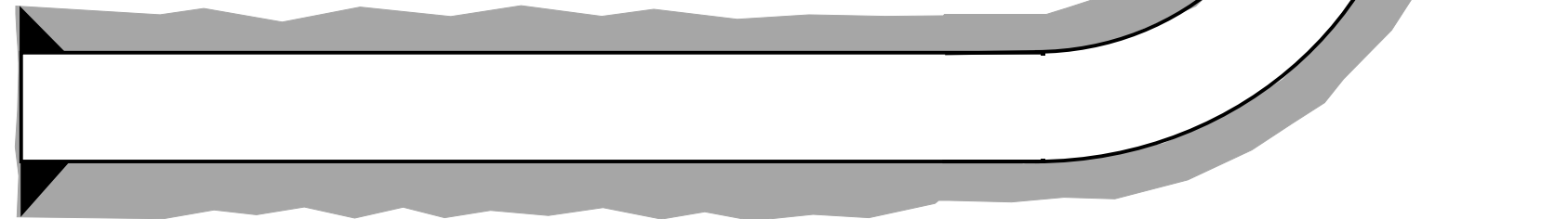
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.38	6.65	0.6946	100%	0	352
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	547
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,279	137
Prod. (Lead)	Type III	12.4	2.260	12.7	0.2691	65%	0	563
Prod. (Tail)	G:POZ blend	13.3	1.570	7.7	0.13052916	10%	4,312	1,714

COMPLETION / PRODUCTION SUMMARY:

Frac: Perf, Plug & Frac 40 stages: 3 spf. 0.30" diameter from 4793' to 14832' MD Total of 1680 open holes.

Flowback: As pumped: 124,024 bbls of fluid. 10,095,419 lbs of proppant.

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



Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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

5. Lease Serial No. **NOG13121857**

6. If Indian, Allottee or Tribe Name
NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. Greater Lybrook/NMNM144419X
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. GREATER LYBROOK UNIT/055H
2. Name of Operator ENDURING RESOURCES LLC		9. API Well No. 3004538309
3a. Address 200 ENERGY COURT, FARMINGTON, NM 8740	3b. Phone No. (include area code) (505) 497-8574	10. Field and Pool or Exploratory Area BASIN MANCOS/LYBROOK MANCOS W
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 23/T23N/R9W/NMP		11. Country or Parish, State SAN JUAN/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Completion-

2/28/24: NU BOPE. Full function PT L750 H9500 (30min), all tests good & recorded on chart.

Open well, increase pressure, Frac Sleeve opened at 6700 psi.

2/28/24-3/8/24: Perf, Plug & Frac 40 stages: 3 spf. 0.30 diameter from 4793 to 14832 MD (4359 to 4296 TVD). Total of 1680 open holes. As pumped: 124,024 bbls of fluid. 10,095,419 lbs of proppant.

3/15/24: MIRU Blackhawk 314. NU BOP. Full function PT to L250 H3000 (30min) test good & recorded on chart.

3/16/24 to 3/18/24 TIH. Drill out plugs. TOH.

3/18/24: RIH with production string. Land 144 jts of 2.875 6.5# L80 EUE tubing. EOT: 4760. Six GLVs set at 1363-1924-2518-3076-3633-4157. POH. ND BOPE. NU production tree & PT to 10k (30min) test good & recorded on chart. Turn well over to production. Rig released on 3/18/24.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON / Ph: (505) 636-9751	Title Permitting Technician
Signature (Electronic Submission)	Date 04/17/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted	Title Petroleum Engineer	Date 04/17/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FARMINGTON	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



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

Well Completion Print

04/23/2024

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

Section 1 - General

Well Completion Report Id: 91591**Submission Date:** 04-19-2024**BLM Office:** Farmington Field Office**User:** HEATHER HUNTINGTON**Title:** Permitting Technician**Federal/Indian:** INDIAN**Lease Number:** NOG13121857**Lease Acres:****Agreement in place?:** YES**Federal or Indian Agreement:** FEDERAL**Agreement Number:****Agreement Name:** Greater Lybrook**Additional Information****Keep this Well Completion Report confidential?:** YES**APD Operator:** ENDURING
RESOURCES LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** LYBROOK MANCOS W**Field Name:** BASIN MANCOS**Well Type:** OIL WELL**Spud Date:** 08-29-2023**Date Total Measured Depth Reached:** 01-31-2024**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
NACIMIENTO	SANDSTONE, SHALE		6802	0	0	USEABLE WATER	
OJO ALAMO	SANDSTONE, SHALE		6410	417	417	USEABLE WATER	
KIRTLAND	COAL, SHALE		6307	520	520	COAL, NATURAL GAS	
FRUITLAND	COAL		6107	720	720	COAL	
PICTURED CLIFFS	SANDSTONE		5727	1100	1100	NATURAL GAS	
LEWIS	SHALE		5605	1222	1223	NATURAL GAS	
CHACRA	SANDSTONE, SHALE		5336	1491	1496	NATURAL GAS	
CLIFFHOUSE	SANDSTONE		4279	2548	2671	NATURAL GAS	
MENEFEE	COAL, SANDSTONE, SHALE		4254	2573	2699	NATURAL GAS	
POINT LOOKOUT	SANDSTONE, SHALE		3297	3530	3784	NATURAL GAS	
MANCOS	SHALE		3152	3675	3940	NATURAL GAS, OIL	
GALLUP	SHALE		2792	4035	4312	NATURAL GAS, OIL	

Completion and Completed

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM144419X	NOG13121857	NEW		POW	03-18-2024	04-03-2024	GALLUP	4793	14832	Y	.3	1680	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	124024	10095419	CHEMICAL DISCLOSURE WILL BE UPLOADED INTO FRAC FOCUS

Production Data

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

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	04/07/2024	24	163	514	1394	3153	48/64	205		796

Well Location

Survey Type: RECTANGULAR

Survey Number: 15269

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.208945	-107.756125	6802	N/A	N/A	INDIAN	NOG13121857				1376	FSL	2024	FEL	23N	9W	23	NWSE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.208945	-107.756125	6427	375	375	INDIAN	NOG13121857				1376	FSL	2024	FEL	23N	9W	23	NWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.205072	-107.749324	2510	14912	4292	INDIAN	NMNM036949				38	FNL	0	FWL	23N	9W	25	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.205177	-107.749451	2510	14912	4292	INDIAN	NMNM036949				0	FNL	38	FEL	23N	9W	26	NENE

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.21105	-107.756577	2510	14912	4292	INDIAN	NOG13121857				2142	FSL	2168	FEL	23N	9W	23	NWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.191319	-107.732644	2510	14962	4292	INDIAN	NMNM036949				248	FSL	334	FEL	23N	9W	25	SESE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.191078	-107.732319	2510	14992	4292	INDIAN	NMNM036949	4292	14912		161	FSL	238	FEL	23N	9W	25	SESE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
---------------	--------------------	-----------	------------------------	---------------------------	-------------	------------	--------------	-----------------------------	-------	-------------	--------------------

Operator Name
ENDURING RESOURCES
LLC
SHL NWSE Sec 23 23N
9W

Well Name GREATER
LYBROOK UNIT

County SAN JUAN

Well Type OIL WELL

Allottee/Tribe Name
NAVAJO NATION

Well Number 055H

State NM

Agreement Name Greater
Lybrook

Well Pad Number 053H-
054H-055H-056H-057H

US Well Number 3004538309

Lease Number(s)
NOG13121857

Agreement Number(s)
NMNM144419X

APD ID 10400081624

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	375	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	2815	9.625	36	J-55		LT&C		
00	PRODUCTION	8.5	0	14962	5.5	17	P-110		LT&C		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Type III	352	1.38	0					86.5
00	INTERMEDIATE		Type III: POZ Blend	547	2.14	0	Type III	137	1.38	2279	242.2
00	PRODUCTION		Type III	563	2.26	0	Class G:POZ Blend	1714	1.57	4312	705.9

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		4760		6	L-80		ST&C	

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	NO	NO	NO	YES	NO	YES

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: ENDURING RESOURCES LLC

Signed By: HEATHER HUNTINGTON

Title: Permitting Technician

Signed on: 04/22/2024

Street Address: 200 Energy Court

City: Farmington

State: NM

Zip: 87401

Phone: (505)636-9751

Email address: HHUNTINGTON@ENDURINGRESOURCES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 055H	US Well Number 3004538309
	County SAN JUAN	State NM	Lease Number(s) NOG13121857
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name Greater Lybrook	Agreement Number(s) NMNM144419X
Allottee/Tribe Name NAVAJO NATION	Well Pad Name GREATER LYBROOK UNIT	Well Pad Number 053H- 054H-055H-056H-057H	APD ID 10400081624

Greater_Lybrook_Unit_055H_svys_final_20240419150436.pdf

WBD_GLU_055H_04192024_20240419150603.pdf

Greater_Lybrook_Unit_055H_As_drilled_C_102_Plat___SIGNED_20240419150633.pdf

From: blm-afmss-notifications@blm.gov
To: [Heather Huntington](#)
Subject: Well Name: GREATER LYBROOK UNIT, Well Number: 055H, Notification of Well Completion Acceptance
Date: Monday, April 22, 2024 3:23:07 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **ENDURING RESOURCES LLC**
- Well Name: **GREATER LYBROOK UNIT**
- Well Number: **055H**
- US Well Number: **3004538309**
- Well Completion Report Id: **WCR2024042291591**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

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 336426

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 336426
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 336426

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 336426
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	6/26/2024