

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

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

Form C-104
Revised August 1, 2011

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 30-045-38307	⁵ Pool Name LYBROOK MANCOS W			⁶ Pool Code 98157	
⁷ Property Code 332891	⁸ Property Name GREATER LYBROOK UNIT			⁹ Well Number 053H	

II. ¹⁰ Surface Location

Ul or lot no. J	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 1397'	North/South Line SOUTH	Feet from the 2058'	East/West line EAST	County SAN JUAN
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	------------------------	------------------------	--------------------

¹¹ Bottom Hole Location

UL or lot no. O	Section 25	Township 23N	Range 9W	Lot Idn	Feet from the 141'	North/South line SOUTH	Feet from the 1893'	East/West line EAST	County SAN JUAN
¹² Lse Code N	¹³ Producing Method Code		¹⁴ Gas Connection Date 4/8/24		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 8/14/2023	²² Ready Date 4/6/24	²³ TD 14,381' MD 4,266' TVD	²⁴ PBDT 14,257' MD 4,266' TVD	²⁵ Perforations 5,410' – 14,178' MD 4337'-4280' TVD AlphaSleeve 14,203'	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		377' MD		352 sx	
12.25"		9.625",36#, J-55		2,942' MD		713 sx	
8.5"		5.5",17#, P-110		14,307' MD		2,169 sx	
		2.875" 6.5# L-80		5135'			

V. Well Test Data

³¹ Date New Oil 4/12/24	³² Gas Delivery Date 4/8/24	³³ Test Date 4/13/24	³⁴ Test Length 24	³⁵ Tbg. Pressure 149	³⁶ Csg. Pressure 773
³⁷ Choke Size 48/64	³⁸ Oil 221	³⁹ Water 977	⁴⁰ Gas 602		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> Printed name: Heather Huntington Title: Permitting Technician E-mail Address:hhuntington@enduringresources.com Date: 5/3/24		OIL CONSERVATION DIVISION	
		Approved by: <i>PATRICIA MARTINEZ</i>	
		Title: <i>PETROLEUM SPECIALIST</i>	
		Approval Date: <i>6/27/2024</i>	
Phone:505-636-9751			



ENDURING RESOURCES IV LLC

February 27, 2024

Re: GREATER LYBROOK UNIT 053H-30-045-38307

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
1025 N. French Drive, Hobbs, NM 88240
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

Submit one copy to
Appropriate District Office

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

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38307	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 053H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6802'

¹⁰ Surface Location

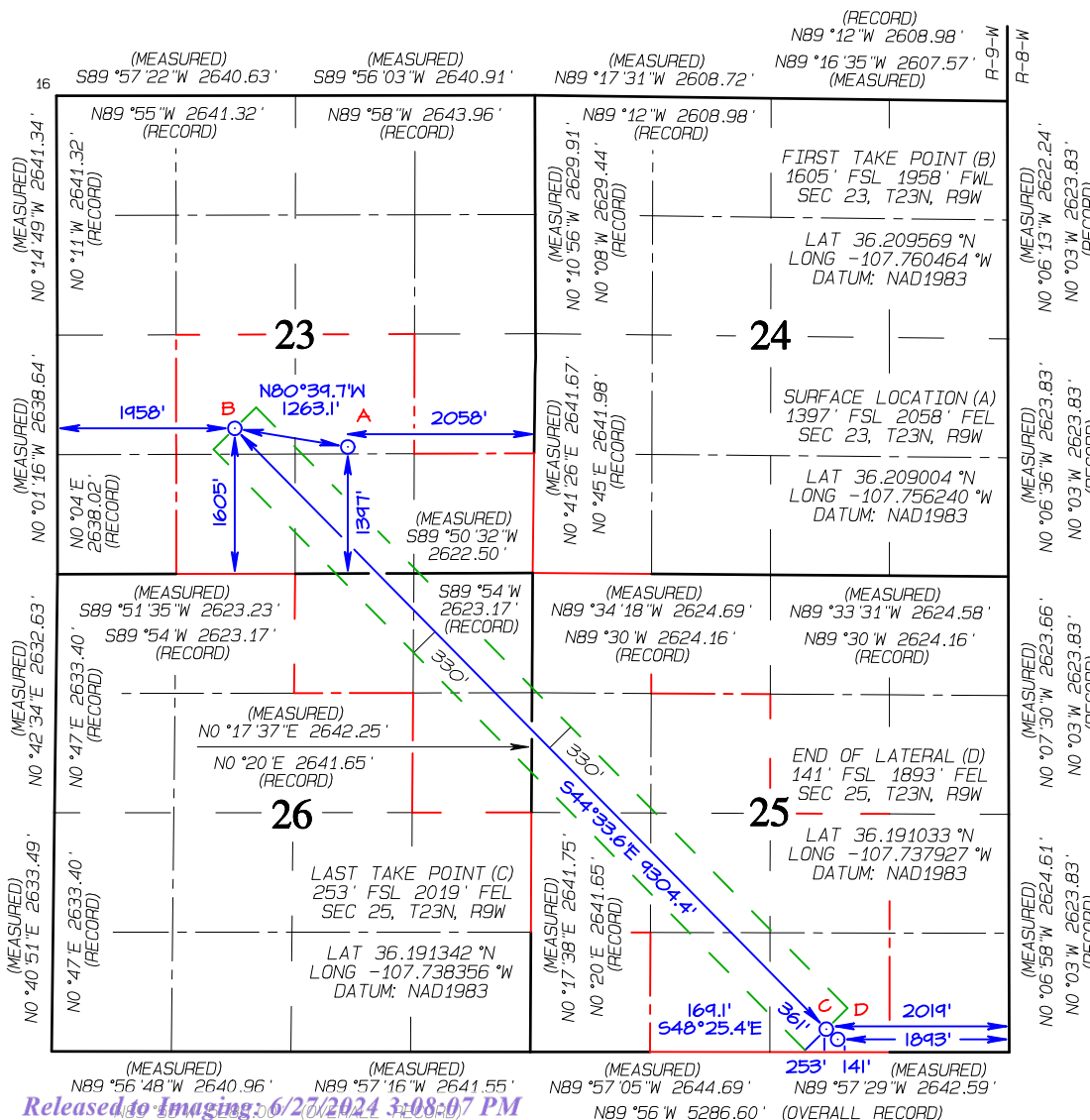
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	23N	9W		1397	SOUTH	2058	EAST	SAN JUAN

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
0	25	23N	9W		141	SOUTH	1893	EAST	SAN JUAN

¹² Dedicated Acres 640.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-22081
E/2 SW/4, NW/4 SE/4 S/2 SE/4 - Section 23 NW/4 NW/4, S/2 NW/4, N/2 SW/4 SE/4 SW/4, W/2 SE/4 - Section 25 N/2 NE/4, SE/4 NE/4 - Section 26			

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



¹⁷ OPERATOR CERTIFICATION

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

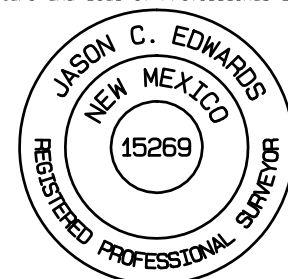
Heather Huntington 2/28/24
Signature Date
Heather Huntington
Printed Name
hhuntington@enduringresources.com
E-mail Address

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 27, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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

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-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38307	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 053H
⁷ OGRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6802'

¹⁰ Surface Location

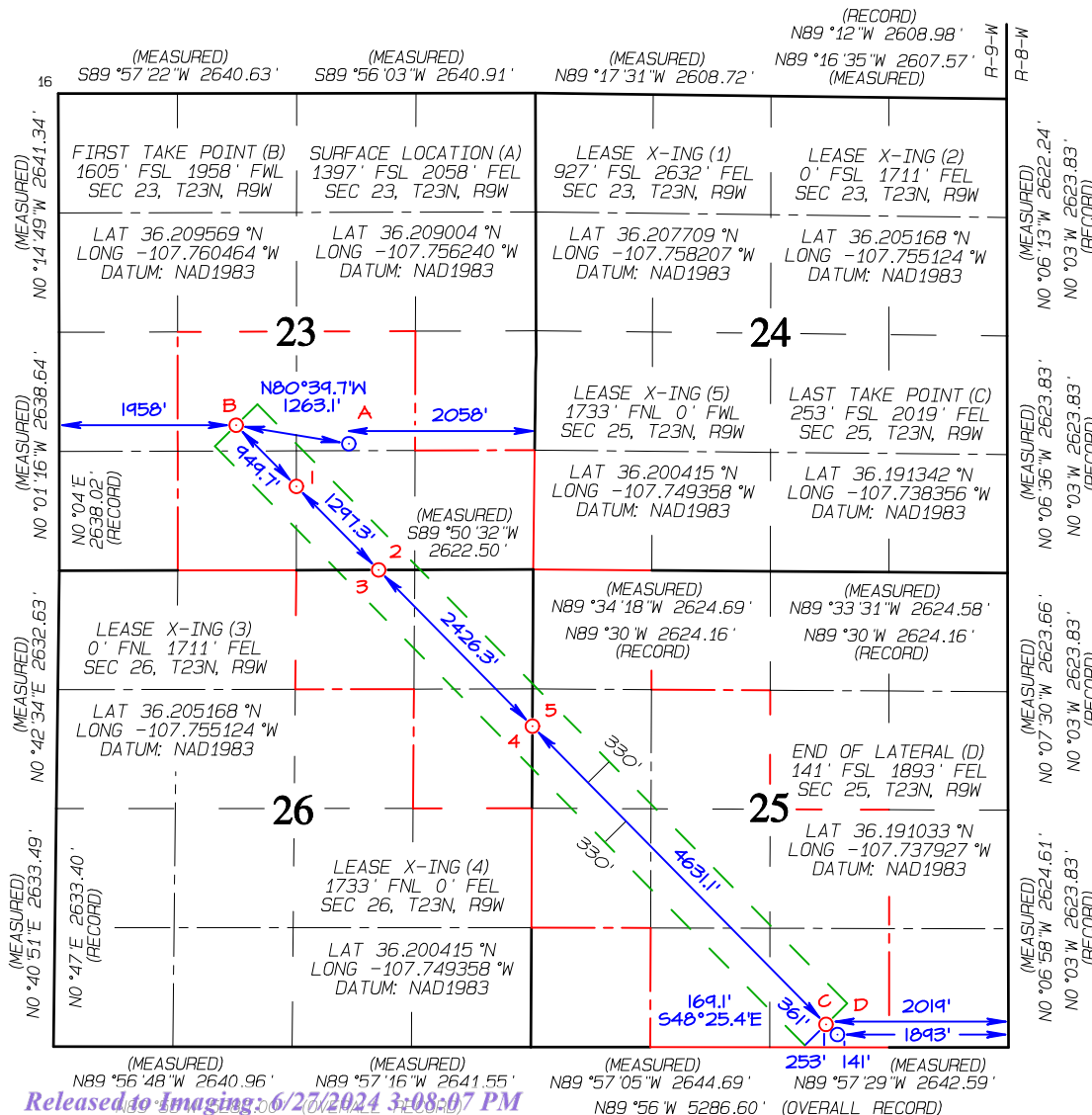
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	23N	9W		1397	SOUTH	2058	EAST	SAN JUAN

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
0	25	23N	9W		141	SOUTH	1893	EAST	SAN JUAN

¹² Dedicated Acres 640.0	E/2 SW/4, NW/4 SE/4 S/2 SE/4 - Section 23 NW/4 NW/4, S/2 NW/4, N/2 SW/4 SE/4 SW/4, W/2 SE/4 - Section 25 N/2 NE/4, SE/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
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

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

Heather Huntington 2/28/24

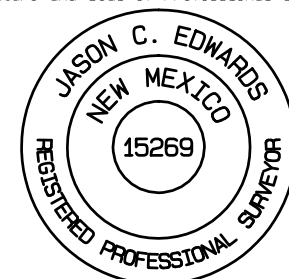
Signature Date
Printed Name
hhuntington@enduringresources.com
E-mail Address

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 27, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38307	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	
⁷ GRID No. 372286	⁶ Operator Name ENDURING RESOURCES, LLC	⁸ Well Number 053H

¹⁰ Surface Location

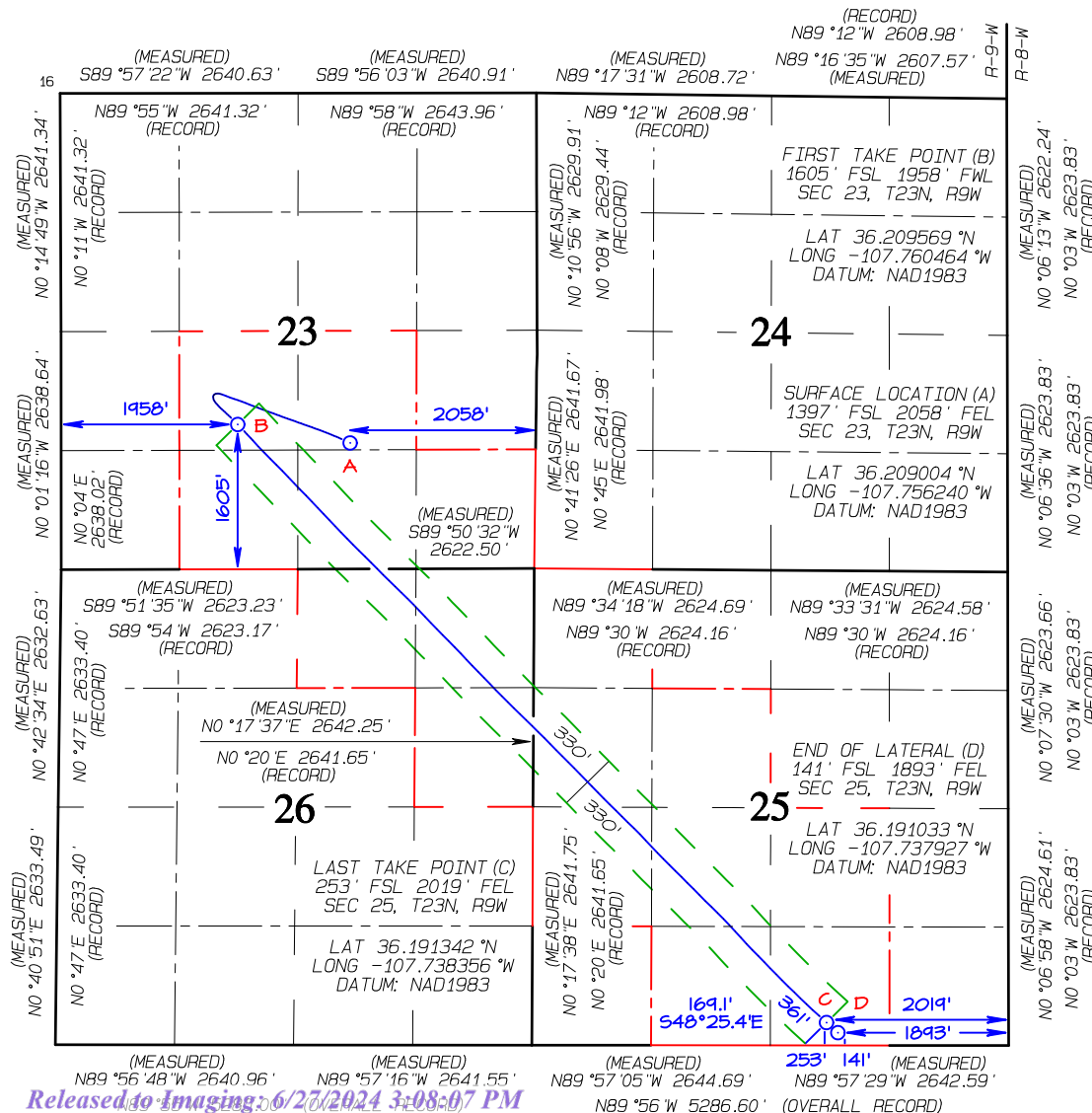
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	23N	9W		1397	SOUTH	2058	EAST	SAN JUAN

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
0	25	23N	9W		141	SOUTH	1893	EAST	SAN JUAN

¹² Dedicated Acres 640.0 E/2 SW/4, NW/4 SE/4 S/2 SE/4 - Section 23 NW/4 NW/4, S/2 NW/4, N/2 SW/4 SE/4 SW/4, W/2 SE/4 - Section 25 N/2 NE/4, SE/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 NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION			

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.

Theresa H. 2/28/24

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

Heather Huntington

Printed Name _____

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 27, 2024

Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number	15269
--------------------	-------



Well: Greater Lybrook Unit No. 053H
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

ANNOTATIONS SURVEYS						Annotation
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect
426.00	0.50	268.00	425.99	-0.06	-1.82	-1.23
2950.20	32.26	291.07	2670.58	386.92	-1014.01	-986.94
4900.81	70.00	135.16	4304.70	204.81	-1246.31	-1020.02
14211.70	92.90	131.91	4274.70	-6424.69	5282.29	8284.43
14223.00	92.91	131.85	4274.13	-6432.23	5290.69	8295.70
14288.00	93.00	131.48	4270.78	-6475.38	5339.18	8360.47
14381.00	93.00	131.48	4265.91	-6536.90	5408.76	8453.11

MWD surveys
9 5/8" Casing shoe @ 2950.20 MD 2670.58 TVD
FTP @ 4900.81 MD 4304.70 TVD
LTP @ 14211.70 MD 4274.70 TVD
330 pd @ 14223.00 MD 4274.13 TVD
Survey @ 14288.00 MD 4270.78 TVD
Survey proj. to 14381.00 MD 4265.91 TVD 141 FSL 1894 FEL

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6802+25 @ 6827.00ft (Aztec 1000)

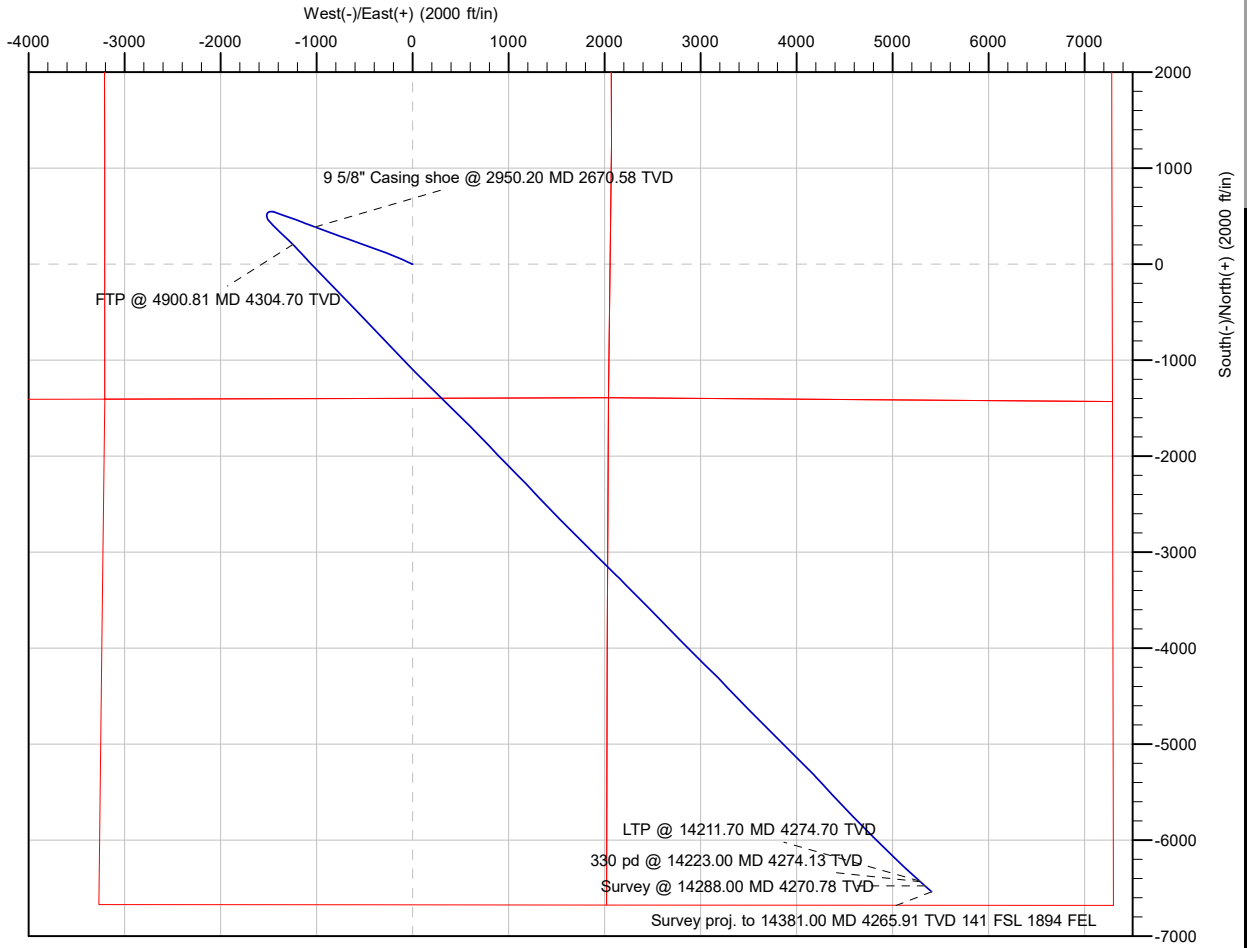
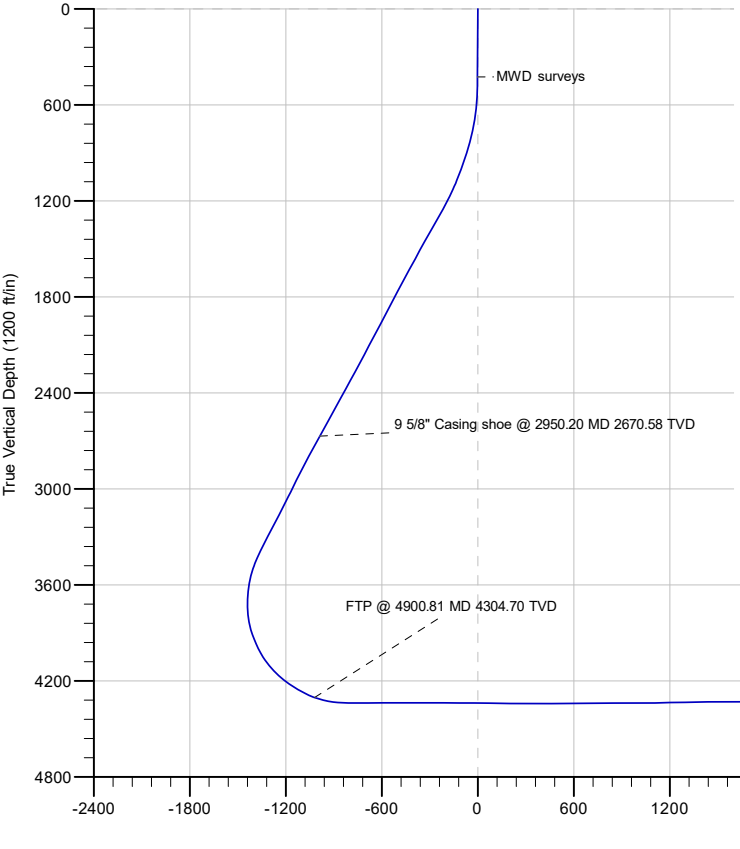
Surface location:
Northing: 1895384.12 Easting: 2745834.58 Latitude: 36.20900400 Longitude: -107.75624000

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: 49032.4nT
Dip Angle: 62.67°
Date: 1/13/2024
Model: IGRF2020





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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. 053H, Surf loc: 1397 FSL 2058 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,384.12 usft	Latitude:	36.20900400
	+E/-W	0.00 ft	Easting:	2,745,834.58 usft	Longitude:	-107.75624000
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	49,032.36247107

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	2/16/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,859.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,899.00	14,288.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,381.00	14,381.00	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	
426.00	0.50	268.00	425.99	-0.06	-1.82	-1.23	0.12	0.12	0.00	
MWD surveys										
485.00	1.31	290.29	484.99	0.16	-2.71	-2.02	1.47	1.37	37.78	
544.00	3.12	296.52	543.94	1.11	-4.78	-4.15	3.09	3.07	10.56	
604.00	5.67	297.40	603.76	3.21	-8.88	-8.51	4.25	4.25	1.47	
664.00	8.31	295.24	663.31	6.42	-15.43	-15.40	4.42	4.40	-3.60	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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)
725.00	10.49	295.84	723.49	10.72	-24.42	-24.76	3.58	3.57	0.98
785.00	13.59	295.72	782.16	16.16	-35.69	-36.55	5.17	5.17	-0.20
845.00	16.46	296.16	840.10	22.97	-49.67	-51.21	4.79	4.78	0.73
904.00	18.53	295.11	896.37	30.63	-65.66	-67.89	3.55	3.51	-1.78
964.00	20.10	294.31	952.99	38.92	-83.69	-86.44	2.65	2.62	-1.33
1,029.00	22.12	293.64	1,013.63	48.43	-105.08	-108.22	3.13	3.11	-1.03
1,092.00	23.76	293.30	1,071.64	58.21	-127.61	-130.98	2.61	2.60	-0.54
1,155.00	25.94	292.64	1,128.80	68.53	-151.98	-155.44	3.49	3.46	-1.05
1,219.00	28.31	291.59	1,185.76	79.51	-179.02	-182.22	3.78	3.70	-1.64
1,282.00	30.45	291.44	1,240.66	90.84	-207.77	-210.46	3.40	3.40	-0.24
1,345.00	31.65	292.37	1,294.63	102.97	-237.92	-240.25	2.05	1.90	1.48
1,408.00	32.03	292.35	1,348.15	115.61	-268.65	-270.82	0.60	0.60	-0.03
1,471.00	32.17	291.80	1,401.52	128.19	-299.68	-301.54	0.51	0.22	-0.87
1,534.00	31.54	290.21	1,455.03	140.11	-330.71	-331.81	1.67	-1.00	-2.52
1,597.00	30.97	289.69	1,508.89	151.27	-361.44	-361.31	1.00	-0.90	-0.83
1,660.00	31.49	288.99	1,562.76	162.08	-392.26	-390.63	1.01	0.83	-1.11
1,723.00	31.34	289.50	1,616.52	172.91	-423.26	-420.09	0.48	-0.24	0.81
1,786.00	30.89	289.61	1,670.46	183.80	-453.94	-449.37	0.72	-0.71	0.17
1,849.00	31.38	289.79	1,724.38	194.78	-484.61	-478.70	0.79	0.78	0.29
1,913.00	30.56	289.96	1,779.26	205.98	-515.58	-508.41	1.29	-1.28	0.27
1,976.00	29.39	289.78	1,833.83	216.68	-545.18	-536.79	1.86	-1.86	-0.29
2,039.00	29.69	289.50	1,888.64	227.12	-574.43	-564.75	0.52	0.48	-0.44
2,102.00	30.34	289.94	1,943.19	237.75	-604.10	-593.13	1.09	1.03	0.70
2,165.00	31.22	290.02	1,997.32	248.77	-634.40	-622.24	1.40	1.40	0.13
2,228.00	30.84	289.30	2,051.30	259.69	-664.98	-651.47	0.84	-0.60	-1.14
2,291.00	29.83	289.51	2,105.68	270.27	-694.99	-680.05	1.61	-1.60	0.33
2,354.00	30.23	289.59	2,160.22	280.82	-724.70	-708.41	0.64	0.63	0.13
2,417.00	30.54	289.86	2,214.57	291.57	-754.70	-737.11	0.54	0.49	0.43
2,480.00	31.04	290.02	2,268.69	302.57	-785.01	-766.21	0.80	0.79	0.25
2,543.00	31.44	290.36	2,322.55	313.85	-815.68	-795.76	0.69	0.63	0.54
2,606.00	31.32	290.59	2,376.34	325.32	-846.41	-825.49	0.27	-0.19	0.37
2,669.00	30.54	290.13	2,430.38	336.59	-876.77	-854.81	1.29	-1.24	-0.73
2,732.00	30.79	289.90	2,484.57	347.59	-906.96	-883.82	0.44	0.40	-0.37
2,796.00	31.31	289.66	2,539.40	358.76	-938.02	-913.57	0.84	0.81	-0.38
2,859.00	31.59	290.57	2,593.14	370.06	-968.89	-943.27	0.87	0.44	1.44
2,899.00	31.80	290.12	2,627.18	377.37	-988.59	-962.30	0.79	0.53	-1.13
2,950.20	32.26	291.07	2,670.58	386.92	-1,014.01	-986.94	1.34	0.91	1.86
9 5/8" Casing shoe @ 2950.20 MD 2670.58 TVD									
2,976.00	32.50	291.54	2,692.37	391.94	-1,026.88	-999.54	1.34	0.92	1.82
3,070.00	30.04	289.42	2,772.71	409.04	-1,072.57	-1,043.77	2.87	-2.62	-2.26
3,165.00	29.66	292.43	2,855.11	425.92	-1,116.73	-1,086.77	1.63	-0.40	3.17
3,259.00	28.80	291.25	2,937.14	443.00	-1,159.33	-1,128.82	1.10	-0.91	-1.26
3,354.00	28.17	289.44	3,020.64	458.75	-1,201.80	-1,169.84	1.12	-0.66	-1.91
3,448.00	30.58	289.74	3,102.55	474.22	-1,245.24	-1,211.33	2.57	2.56	0.32



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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)
3,542.00	29.07	287.88	3,184.10	489.31	-1,289.48	-1,253.11	1.88	-1.61	-1.98
3,637.00	30.87	291.28	3,266.40	505.24	-1,334.16	-1,295.80	2.60	1.89	3.58
3,732.00	29.40	290.17	3,348.56	522.13	-1,378.76	-1,339.12	1.65	-1.55	-1.17
3,826.00	25.56	289.61	3,431.94	536.89	-1,419.54	-1,378.24	4.09	-4.09	-0.60
3,857.00	24.74	288.58	3,460.00	541.20	-1,431.99	-1,390.04	3.00	-2.65	-3.32
3,888.00	22.87	284.17	3,488.36	544.75	-1,443.98	-1,400.98	8.32	-6.03	-14.23
3,920.00	20.80	277.87	3,518.07	547.05	-1,455.64	-1,410.79	9.76	-6.47	-19.69
3,951.00	19.08	269.31	3,547.22	547.74	-1,466.16	-1,418.67	10.92	-5.55	-27.61
3,983.00	16.94	264.98	3,577.65	547.27	-1,476.04	-1,425.26	7.88	-6.69	-13.53
4,014.00	14.86	260.11	3,607.46	546.19	-1,484.45	-1,430.39	7.97	-6.71	-15.71
4,045.00	13.68	251.90	3,637.51	544.37	-1,491.85	-1,434.28	7.55	-3.81	-26.48
4,077.00	12.47	243.28	3,668.68	541.64	-1,498.54	-1,437.02	7.16	-3.78	-26.94
4,108.00	11.68	234.55	3,699.00	538.31	-1,504.08	-1,438.54	6.41	-2.55	-28.16
4,139.00	12.17	222.78	3,729.33	534.10	-1,508.86	-1,438.88	7.99	1.58	-37.97
4,171.00	13.19	211.66	3,760.56	528.51	-1,513.07	-1,437.85	8.25	3.19	-34.75
4,202.00	13.96	200.63	3,790.69	522.00	-1,516.24	-1,435.44	8.70	2.48	-35.58
4,234.00	15.15	184.87	3,821.68	514.22	-1,517.96	-1,431.09	12.88	3.72	-49.25
4,265.00	16.62	175.79	3,851.50	505.76	-1,517.98	-1,425.08	9.30	4.74	-29.29
4,296.00	18.61	170.08	3,881.05	496.46	-1,516.80	-1,417.62	8.49	6.42	-18.42
4,328.00	21.20	163.79	3,911.14	485.87	-1,514.30	-1,408.33	10.49	8.09	-19.66
4,359.00	23.18	156.36	3,939.84	474.90	-1,510.29	-1,397.69	11.07	6.39	-23.97
4,391.00	24.09	148.24	3,969.17	463.57	-1,504.33	-1,385.43	10.55	2.84	-25.38
4,422.00	25.75	140.94	3,997.29	452.96	-1,496.75	-1,372.55	11.27	5.35	-23.55
4,453.00	29.32	138.81	4,024.77	442.02	-1,487.51	-1,358.27	11.94	11.52	-6.87
4,485.00	32.98	139.28	4,052.15	429.52	-1,476.66	-1,341.75	11.46	11.44	1.47
4,516.00	36.47	137.94	4,077.63	416.28	-1,464.98	-1,324.12	11.52	11.26	-4.32
4,548.00	39.51	135.31	4,102.85	401.98	-1,451.45	-1,304.44	10.76	9.50	-8.22
4,579.00	41.88	133.91	4,126.35	387.79	-1,437.05	-1,284.23	8.19	7.65	-4.52
4,611.00	44.75	132.67	4,149.63	372.74	-1,421.07	-1,262.29	9.35	8.97	-3.88
4,642.00	47.66	132.13	4,171.08	357.66	-1,404.55	-1,239.95	9.47	9.39	-1.74
4,674.00	50.44	131.99	4,192.05	341.47	-1,386.61	-1,215.83	8.69	8.69	-0.44
4,705.00	53.87	132.79	4,211.07	324.96	-1,368.53	-1,191.39	11.25	11.06	2.58
4,737.00	57.15	133.69	4,229.19	306.89	-1,349.32	-1,165.04	10.51	10.25	2.81
4,768.00	59.76	134.50	4,245.40	288.51	-1,330.35	-1,138.63	8.71	8.42	2.61
4,800.00	60.31	135.01	4,261.39	268.99	-1,310.67	-1,110.91	2.20	1.72	1.59
4,831.00	62.29	134.73	4,276.27	249.81	-1,291.40	-1,083.72	6.44	6.39	-0.90
4,863.00	65.37	134.92	4,290.39	229.57	-1,271.03	-1,055.00	9.64	9.63	0.59
4,894.00	69.29	135.10	4,302.33	209.34	-1,250.81	-1,026.41	12.66	12.65	0.58
4,900.81	70.00	135.16	4,304.70	204.81	-1,246.31	-1,020.02	10.44	10.41	0.92
FTP @ 4900.81 MD 4304.70 TVD									
4,926.00	72.62	135.39	4,312.77	187.86	-1,229.52	-996.16	10.44	10.41	0.90
4,957.00	75.88	135.96	4,321.19	166.52	-1,208.67	-966.33	10.66	10.52	1.84
4,989.00	79.36	136.37	4,328.05	143.98	-1,187.03	-935.08	10.95	10.88	1.28



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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)	
5,020.00	82.67	136.68	4,332.89	121.76	-1,165.97	-904.47	10.72	10.68	1.00	
5,051.00	85.53	137.04	4,336.07	99.26	-1,144.88	-873.65	9.30	9.23	1.16	
5,115.00	89.43	137.62	4,338.89	52.26	-1,101.56	-809.76	6.16	6.09	0.91	
5,146.00	89.92	137.43	4,339.06	29.39	-1,080.62	-778.78	1.70	1.58	-0.61	
5,240.00	90.60	136.96	4,338.63	-39.57	-1,016.75	-684.82	0.88	0.72	-0.50	
5,335.00	90.43	136.33	4,337.78	-108.64	-951.54	-589.85	0.69	-0.18	-0.66	
5,430.00	90.27	135.29	4,337.20	-176.76	-885.32	-494.85	1.11	-0.17	-1.09	
5,524.00	89.70	133.40	4,337.23	-242.46	-818.10	-400.87	2.10	-0.61	-2.01	
5,619.00	89.94	136.41	4,337.52	-309.52	-750.82	-305.89	3.18	0.25	3.17	
5,713.00	89.94	136.94	4,337.62	-377.90	-686.32	-211.91	0.56	0.00	0.56	
5,808.00	89.58	136.34	4,338.02	-446.97	-621.10	-116.93	0.74	-0.38	-0.63	
5,903.00	89.56	136.15	4,338.73	-515.58	-555.40	-21.94	0.20	-0.02	-0.20	
5,997.00	88.96	135.26	4,339.95	-582.86	-489.76	72.05	1.14	-0.64	-0.95	
6,091.00	89.79	137.06	4,340.97	-650.65	-424.66	166.03	2.11	0.88	1.91	
6,185.00	89.70	136.30	4,341.39	-719.04	-360.17	260.01	0.81	-0.10	-0.81	
6,280.00	89.45	136.47	4,342.10	-787.81	-294.64	354.99	0.32	-0.26	0.18	
6,374.00	88.92	135.78	4,343.43	-855.57	-229.50	448.98	0.93	-0.56	-0.73	
6,468.00	90.73	136.81	4,343.72	-923.52	-164.55	542.96	2.22	1.93	1.10	
6,562.00	91.17	136.33	4,342.16	-991.77	-99.94	636.93	0.69	0.47	-0.51	
6,656.00	90.99	135.90	4,340.39	-1,059.51	-34.79	730.91	0.50	-0.19	-0.46	
6,750.00	90.64	135.25	4,339.05	-1,126.63	31.00	824.90	0.79	-0.37	-0.69	
6,844.00	90.17	134.69	4,338.39	-1,193.06	97.50	918.89	0.78	-0.50	-0.60	
6,939.00	89.66	133.83	4,338.53	-1,259.36	165.54	1,013.87	1.05	-0.54	-0.91	
7,033.00	90.77	135.62	4,338.18	-1,325.51	232.32	1,107.85	2.24	1.18	1.90	
7,127.00	91.23	135.41	4,336.54	-1,392.56	298.18	1,201.84	0.54	0.49	-0.22	
7,222.00	91.22	134.89	4,334.50	-1,459.90	365.16	1,296.82	0.55	-0.01	-0.55	
7,316.00	91.18	134.40	4,332.54	-1,525.94	432.02	1,390.78	0.52	-0.04	-0.52	
7,411.00	91.04	133.98	4,330.70	-1,592.14	500.13	1,485.74	0.47	-0.15	-0.44	
7,505.00	89.45	134.82	4,330.29	-1,657.91	567.29	1,579.72	1.91	-1.69	0.89	
7,599.00	89.33	133.80	4,331.29	-1,723.57	634.54	1,673.70	1.09	-0.13	-1.09	
7,693.00	89.72	135.49	4,332.07	-1,789.62	701.42	1,767.68	1.85	0.41	1.80	
7,787.00	90.21	136.93	4,332.13	-1,857.47	766.47	1,861.67	1.62	0.52	1.53	
7,881.00	90.40	136.84	4,331.63	-1,926.09	830.71	1,955.64	0.22	0.20	-0.10	
7,975.00	90.49	136.29	4,330.90	-1,994.34	895.34	2,049.62	0.59	0.10	-0.59	
8,070.00	90.80	135.69	4,329.83	-2,062.67	961.34	2,144.61	0.71	0.33	-0.63	
8,164.00	91.43	135.34	4,328.00	-2,129.71	1,027.19	2,238.59	0.77	0.67	-0.37	
8,258.00	92.43	135.10	4,324.84	-2,196.40	1,093.37	2,332.53	1.09	1.06	-0.26	
8,352.00	91.31	135.55	4,321.77	-2,263.21	1,159.42	2,426.48	1.28	-1.19	0.48	
8,447.00	89.51	136.89	4,321.09	-2,331.79	1,225.14	2,521.47	2.36	-1.89	1.41	
8,541.00	89.82	137.02	4,321.64	-2,400.49	1,289.30	2,615.43	0.36	0.33	0.14	
8,635.00	89.88	136.36	4,321.89	-2,468.88	1,353.78	2,709.41	0.71	0.06	-0.70	
8,730.00	89.78	135.58	4,322.17	-2,537.19	1,419.81	2,804.41	0.83	-0.11	-0.82	
8,824.00	90.16	135.63	4,322.22	-2,604.35	1,485.57	2,898.40	0.41	0.40	0.05	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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)	
8,918.00	91.03	136.24	4,321.24	-2,671.89	1,550.94	2,992.40	1.13	0.93	0.65	
9,012.00	89.06	135.87	4,321.17	-2,739.57	1,616.17	3,086.39	2.13	-2.10	-0.39	
9,106.00	89.23	135.31	4,322.57	-2,806.71	1,681.94	3,180.37	0.62	0.18	-0.60	
9,201.00	89.49	134.60	4,323.63	-2,873.83	1,749.17	3,275.36	0.80	0.27	-0.75	
9,295.00	90.28	134.53	4,323.82	-2,939.79	1,816.14	3,369.35	0.84	0.84	-0.07	
9,389.00	90.68	134.45	4,323.03	-3,005.66	1,883.19	3,463.33	0.43	0.43	-0.09	
9,483.00	90.80	133.67	4,321.82	-3,071.02	1,950.73	3,557.30	0.84	0.13	-0.83	
9,578.00	89.76	134.80	4,321.35	-3,137.29	2,018.80	3,652.27	1.62	-1.09	1.19	
9,672.00	90.41	134.11	4,321.21	-3,203.12	2,085.89	3,746.26	1.01	0.69	-0.73	
9,767.00	91.38	135.39	4,319.73	-3,270.00	2,153.35	3,841.23	1.69	1.02	1.35	
9,861.00	89.29	136.01	4,319.18	-3,337.27	2,219.00	3,935.22	2.32	-2.22	0.66	
9,955.00	89.60	135.82	4,320.09	-3,404.78	2,284.39	4,029.22	0.39	0.33	-0.20	
10,049.00	90.00	134.81	4,320.42	-3,471.61	2,350.49	4,123.22	1.16	0.43	-1.07	
10,143.00	89.84	134.06	4,320.55	-3,537.42	2,417.61	4,217.20	0.82	-0.17	-0.80	
10,237.00	90.19	135.90	4,320.53	-3,603.86	2,484.10	4,311.19	1.99	0.37	1.96	
10,331.00	90.91	135.90	4,319.62	-3,671.36	2,549.51	4,405.18	0.77	0.77	0.00	
10,425.00	91.48	135.32	4,317.66	-3,738.52	2,615.25	4,499.16	0.87	0.61	-0.62	
10,519.00	88.96	136.03	4,317.30	-3,805.76	2,680.93	4,593.15	2.79	-2.68	0.76	
10,613.00	89.59	136.10	4,318.49	-3,873.45	2,746.14	4,687.14	0.67	0.67	0.07	
10,707.00	89.78	135.33	4,319.01	-3,940.74	2,811.78	4,781.14	0.84	0.20	-0.82	
10,801.00	89.95	134.59	4,319.23	-4,007.16	2,878.29	4,875.13	0.81	0.18	-0.79	
10,896.00	90.91	134.85	4,318.52	-4,074.00	2,945.79	4,970.12	1.05	1.01	0.27	
10,990.00	91.18	134.63	4,316.80	-4,140.16	3,012.55	5,064.10	0.37	0.29	-0.23	
11,084.00	91.43	134.37	4,314.66	-4,206.03	3,079.58	5,158.06	0.38	0.27	-0.28	
11,178.00	91.81	133.92	4,312.00	-4,271.47	3,147.00	5,252.00	0.63	0.40	-0.48	
11,272.00	90.13	136.60	4,310.41	-4,338.22	3,213.15	5,345.97	3.36	-1.79	2.85	
11,366.00	90.25	136.65	4,310.10	-4,406.55	3,277.70	5,439.95	0.14	0.13	0.05	
11,461.00	90.54	136.70	4,309.45	-4,475.65	3,342.89	5,534.93	0.31	0.31	0.05	
11,555.00	90.62	135.84	4,308.49	-4,543.57	3,407.86	5,628.91	0.92	0.09	-0.91	
11,649.00	90.44	135.32	4,307.62	-4,610.71	3,473.65	5,722.91	0.59	-0.19	-0.55	
11,743.00	90.70	134.91	4,306.69	-4,677.31	3,539.98	5,816.90	0.52	0.28	-0.44	
11,837.00	90.82	134.69	4,305.44	-4,743.54	3,606.67	5,910.89	0.27	0.13	-0.23	
11,931.00	91.38	134.74	4,303.64	-4,809.66	3,673.46	6,004.86	0.60	0.60	0.05	
12,025.00	90.15	135.57	4,302.38	-4,876.30	3,739.74	6,098.85	1.58	-1.31	0.88	
12,120.00	90.37	135.35	4,301.95	-4,944.01	3,806.37	6,193.85	0.33	0.23	-0.23	
12,213.00	90.74	135.41	4,301.05	-5,010.20	3,871.69	6,286.84	0.40	0.40	0.06	
12,308.00	90.77	134.72	4,299.80	-5,077.45	3,938.78	6,381.83	0.73	0.03	-0.73	
12,402.00	91.31	134.12	4,298.09	-5,143.23	4,005.91	6,475.80	0.86	0.57	-0.64	
12,496.00	91.17	135.16	4,296.06	-5,209.26	4,072.78	6,569.77	1.12	-0.15	1.11	
12,590.00	91.78	135.00	4,293.64	-5,275.80	4,139.13	6,663.73	0.67	0.65	-0.17	
12,685.00	90.62	137.27	4,291.65	-5,344.27	4,204.94	6,758.70	2.68	-1.22	2.39	
12,779.00	90.86	137.74	4,290.44	-5,413.58	4,268.44	6,852.63	0.56	0.26	0.50	
12,873.00	91.33	137.23	4,288.64	-5,482.85	4,331.95	6,946.55	0.74	0.50	-0.54	
12,967.00	91.88	137.34	4,286.01	-5,551.89	4,395.69	7,040.47	0.60	0.59	0.12	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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)
13,061.00	89.87	136.14	4,284.57	-5,620.33	4,460.09	7,134.43	2.49	-2.14	-1.28
13,155.00	89.72	135.24	4,284.91	-5,687.59	4,525.76	7,228.43	0.97	-0.16	-0.96
13,250.00	90.20	135.85	4,284.97	-5,755.40	4,592.29	7,323.42	0.82	0.51	0.64
13,344.00	89.11	135.57	4,285.54	-5,822.69	4,657.93	7,417.42	1.20	-1.16	-0.30
13,438.00	89.72	135.34	4,286.50	-5,889.68	4,723.86	7,511.42	0.69	0.65	-0.24
13,532.00	91.13	135.63	4,285.80	-5,956.70	4,789.76	7,605.41	1.53	1.50	0.31
13,627.00	89.27	134.38	4,285.47	-6,023.88	4,856.92	7,700.40	2.36	-1.96	-1.32
13,722.00	89.76	134.01	4,286.27	-6,090.10	4,925.03	7,795.37	0.65	0.52	-0.39
13,816.00	90.54	133.91	4,286.03	-6,155.35	4,992.70	7,889.34	0.84	0.83	-0.11
13,910.00	91.15	133.72	4,284.64	-6,220.42	5,060.52	7,983.29	0.68	0.65	-0.20
14,004.00	91.36	132.86	4,282.58	-6,284.86	5,128.92	8,077.20	0.94	0.22	-0.91
14,099.00	92.10	132.35	4,279.72	-6,349.14	5,198.81	8,172.04	0.95	0.78	-0.54
14,193.00	92.87	132.02	4,275.64	-6,412.21	5,268.40	8,265.79	0.89	0.82	-0.35
14,211.70	92.90	131.91	4,274.70	-6,424.69	5,282.29	8,284.43	0.58	0.14	-0.57
LTP @ 14211.70 MD 4274.70 TVD									
14,223.00	92.91	131.85	4,274.13	-6,432.23	5,290.69	8,295.70	0.58	0.14	-0.57
330 pd @ 14223.00 MD 4274.13 TVD									
14,288.00	93.00	131.48	4,270.78	-6,475.38	5,339.18	8,360.47	0.58	0.14	-0.57
Survey @ 14288.00 MD 4270.78 TVD									
14,381.00	93.00	131.48	4,265.91	-6,536.90	5,408.76	8,453.11	0.00	0.00	0.00
Survey proj. to 14381.00 MD 4265.91 TVD 141 FSL 1894 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
426.00	425.99	-0.06	-1.82	MWD surveys
2,950.20	2,670.58	386.92	-1,014.01	9 5/8" Casing shoe @ 2950.20 MD 2670.58 TVD
4,900.81	4,304.70	204.81	-1,246.31	FTP @ 4900.81 MD 4304.70 TVD
14,211.70	4,274.70	-6,424.69	5,282.29	LTP @ 14211.70 MD 4274.70 TVD
14,223.00	4,274.13	-6,432.23	5,290.69	330 pd @ 14223.00 MD 4274.13 TVD
14,288.00	4,270.78	-6,475.38	5,339.18	Survey @ 14288.00 MD 4270.78 TVD
14,381.00	4,265.91	-6,536.90	5,408.76	Survey proj. to 14381.00 MD 4265.91 TVD 141 FSL 1894 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

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. 053H, Surf loc: 1397 FSL 2058 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,384.12 usft	Latitude:	36.20900400
	+E/-W	0.00 ft	Easting:	2,745,834.58 usft	Longitude:	-107.75624000
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	49,032.36247107

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	2/16/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,859.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,899.00	14,288.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,381.00	14,381.00	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	1,895,384.12	2,745,834.58	36.20900400	-107.75624000	
8.00	0.00	0.00	8.00	0.00	0.00	1,895,384.12	2,745,834.58	36.20900400	-107.75624000	
426.00	0.50	268.00	425.99	-0.06	-1.82	1,895,384.06	2,745,832.76	36.20900383	-107.75624618	
MWD surveys										
485.00	1.31	290.29	484.99	0.16	-2.71	1,895,384.28	2,745,831.87	36.20900445	-107.75624920	
544.00	3.12	296.52	543.94	1.11	-4.78	1,895,385.24	2,745,829.80	36.20900707	-107.75625621	
604.00	5.67	297.40	603.76	3.21	-8.88	1,895,387.33	2,745,825.71	36.20901283	-107.75627008	
664.00	8.31	295.24	663.31	6.42	-15.43	1,895,390.54	2,745,819.15	36.20902167	-107.75629229	
725.00	10.49	295.84	723.49	10.72	-24.42	1,895,394.84	2,745,810.17	36.20903350	-107.75632274	
785.00	13.59	295.72	782.16	16.16	-35.69	1,895,400.28	2,745,798.90	36.20904847	-107.75636093	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
845.00	16.46	296.16	840.10	22.97	-49.67	1,895,407.09	2,745,784.92	36.20906721	-107.75640831
904.00	18.53	295.11	896.37	30.63	-65.66	1,895,414.76	2,745,768.92	36.20908830	-107.75646250
964.00	20.10	294.31	952.99	38.92	-83.69	1,895,423.05	2,745,750.89	36.20911111	-107.75652360
1,029.00	22.12	293.64	1,013.63	48.43	-105.08	1,895,432.55	2,745,729.50	36.20913727	-107.75659608
1,092.00	23.76	293.30	1,071.64	58.21	-127.61	1,895,442.33	2,745,706.98	36.20916418	-107.75667241
1,155.00	25.94	292.64	1,128.80	68.53	-151.98	1,895,452.66	2,745,682.60	36.20919260	-107.75675501
1,219.00	28.31	291.59	1,185.76	79.51	-179.02	1,895,463.63	2,745,655.57	36.20922280	-107.75684662
1,282.00	30.45	291.44	1,240.66	90.84	-207.77	1,895,474.96	2,745,626.81	36.20925400	-107.75694406
1,345.00	31.65	292.37	1,294.63	102.97	-237.92	1,895,487.09	2,745,596.67	36.20928737	-107.75704621
1,408.00	32.03	292.35	1,348.15	115.61	-268.65	1,895,499.73	2,745,565.93	36.20932217	-107.75715037
1,471.00	32.17	291.80	1,401.52	128.19	-299.68	1,895,512.31	2,745,534.91	36.20935680	-107.75725550
1,534.00	31.54	290.21	1,455.03	140.11	-330.71	1,895,524.24	2,745,503.87	36.20938962	-107.75736067
1,597.00	30.97	289.69	1,508.89	151.27	-361.44	1,895,535.39	2,745,473.15	36.20942033	-107.75746479
1,660.00	31.49	288.99	1,562.76	162.08	-392.26	1,895,546.20	2,745,442.33	36.20945010	-107.75756924
1,723.00	31.34	289.50	1,616.52	172.91	-423.26	1,895,557.03	2,745,411.32	36.20947990	-107.75767430
1,786.00	30.89	289.61	1,670.46	183.80	-453.94	1,895,567.92	2,745,380.65	36.20950990	-107.75777827
1,849.00	31.38	289.79	1,724.38	194.78	-484.61	1,895,578.91	2,745,349.98	36.20954013	-107.75788219
1,913.00	30.56	289.96	1,779.26	205.98	-515.58	1,895,590.10	2,745,319.01	36.20957096	-107.75798715
1,976.00	29.39	289.78	1,833.83	216.68	-545.18	1,895,600.80	2,745,289.40	36.20960041	-107.75808747
2,039.00	29.69	289.50	1,888.64	227.12	-574.43	1,895,611.24	2,745,260.15	36.20962915	-107.75818661
2,102.00	30.34	289.94	1,943.19	237.75	-604.10	1,895,621.87	2,745,230.49	36.20965843	-107.75828714
2,165.00	31.22	290.02	1,997.32	248.77	-634.40	1,895,632.89	2,745,200.19	36.20968875	-107.75838981
2,228.00	30.84	289.30	2,051.30	259.69	-664.98	1,895,643.82	2,745,169.60	36.20971884	-107.75849345
2,291.00	29.83	289.51	2,105.68	270.27	-694.99	1,895,654.39	2,745,139.59	36.20974794	-107.75859515
2,354.00	30.23	289.59	2,160.22	280.82	-724.70	1,895,664.94	2,745,109.88	36.20977698	-107.75869584
2,417.00	30.54	289.86	2,214.57	291.57	-754.70	1,895,675.69	2,745,079.89	36.20980659	-107.75879749
2,480.00	31.04	290.02	2,268.69	302.57	-785.01	1,895,686.69	2,745,049.57	36.20983687	-107.75890023
2,543.00	31.44	290.36	2,322.55	313.85	-815.68	1,895,697.97	2,745,018.91	36.20986791	-107.75900415
2,606.00	31.32	290.59	2,376.34	325.32	-846.41	1,895,709.44	2,744,988.17	36.20989950	-107.75910829
2,669.00	30.54	290.13	2,430.38	336.59	-876.77	1,895,720.71	2,744,957.82	36.20993052	-107.75921117
2,732.00	30.79	289.90	2,484.57	347.59	-906.96	1,895,731.71	2,744,927.63	36.20996079	-107.75931348
2,796.00	31.31	289.66	2,539.40	358.76	-938.02	1,895,742.88	2,744,896.56	36.20999154	-107.75941875
2,859.00	31.59	290.57	2,593.14	370.06	-968.89	1,895,754.18	2,744,865.70	36.21002266	-107.75952335
2,899.00	31.80	290.12	2,627.18	377.37	-988.59	1,895,761.49	2,744,845.99	36.21004278	-107.75959012
2,950.20	32.26	291.07	2,670.58	386.92	-1,014.01	1,895,771.04	2,744,820.58	36.21006907	-107.75967626
9 5/8" Casing shoe @ 2950.20 MD 2670.58 TVD									
2,976.00	32.50	291.54	2,692.37	391.94	-1,026.88	1,895,776.06	2,744,807.70	36.21008289	-107.75971989
3,070.00	30.04	289.42	2,772.71	409.04	-1,072.57	1,895,793.16	2,744,762.02	36.21012996	-107.75987472
3,165.00	29.66	292.43	2,855.11	425.92	-1,116.73	1,895,810.04	2,744,717.86	36.21017641	-107.76002435
3,259.00	28.80	291.25	2,937.14	443.00	-1,159.33	1,895,827.12	2,744,675.26	36.21022342	-107.76016872
3,354.00	28.17	289.44	3,020.64	458.75	-1,201.80	1,895,842.88	2,744,632.78	36.21026679	-107.76031266
3,448.00	30.58	289.74	3,102.55	474.22	-1,245.24	1,895,858.34	2,744,589.35	36.21030936	-107.76045986
3,542.00	29.07	287.88	3,184.10	489.31	-1,289.48	1,895,873.43	2,744,545.10	36.21035090	-107.76060980
3,637.00	30.87	291.28	3,266.40	505.24	-1,334.16	1,895,889.36	2,744,500.42	36.21039477	-107.76076122
3,732.00	29.40	290.17	3,348.56	522.13	-1,378.76	1,895,906.25	2,744,455.82	36.21044125	-107.76091237
3,826.00	25.56	289.61	3,431.94	536.89	-1,419.54	1,895,921.01	2,744,415.05	36.21048190	-107.76105055
3,857.00	24.74	288.58	3,460.00	541.20	-1,431.99	1,895,925.33	2,744,402.60	36.21049376	-107.76109274
3,888.00	22.87	284.17	3,488.36	544.75	-1,443.98	1,895,928.87	2,744,390.61	36.21050352	-107.76113338
3,920.00	20.80	277.87	3,518.07	547.05	-1,455.64	1,895,931.17	2,744,378.95	36.21050986	-107.76117290
3,951.00	19.08	269.31	3,547.22	547.74	-1,466.16	1,895,931.86	2,744,368.43	36.21051179	-107.76120856
3,983.00	16.94	264.98	3,577.65	547.27	-1,476.04	1,895,931.39	2,744,358.55	36.21051051	-107.76124204
4,014.00	14.86	260.11	3,607.46	546.19	-1,484.45	1,895,930.31	2,744,350.13	36.21050757	-107.76127057
4,045.00	13.68	251.90	3,637.51	544.37	-1,491.85	1,895,928.49	2,744,342.73	36.21050258	-107.76129567
4,077.00	12.47	243.28	3,668.68	541.64	-1,498.54	1,895,925.76	2,744,336.05	36.21049510	-107.76131833
4,108.00	11.68	234.55	3,699.00	538.31	-1,504.08	1,895,922.44	2,744,330.50	36.21048597	-107.76133714



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,139.00	12.17	222.78	3,729.33	534.10	-1,508.86	1,895,918.22	2,744,325.73	36.21047439	-107.76135334
4,171.00	13.19	211.66	3,760.56	528.51	-1,513.07	1,895,912.63	2,744,321.52	36.21045906	-107.76136762
4,202.00	13.96	200.63	3,790.69	522.00	-1,516.24	1,895,906.12	2,744,318.34	36.21044118	-107.76137840
4,234.00	15.15	184.87	3,821.68	514.22	-1,517.96	1,895,898.34	2,744,316.63	36.21041981	-107.76138423
4,265.00	16.62	175.79	3,851.50	505.76	-1,517.98	1,895,889.88	2,744,316.61	36.21039657	-107.76138432
4,296.00	18.61	170.08	3,881.05	496.46	-1,516.80	1,895,880.58	2,744,317.79	36.21037103	-107.76138035
4,328.00	21.20	163.79	3,911.14	485.87	-1,514.30	1,895,870.00	2,744,320.28	36.21034194	-107.76137191
4,359.00	23.18	156.36	3,939.84	474.90	-1,510.29	1,895,859.02	2,744,324.30	36.21031178	-107.76135834
4,391.00	24.09	148.24	3,969.17	463.57	-1,504.33	1,895,847.70	2,744,330.26	36.21028066	-107.76133815
4,422.00	25.75	140.94	3,997.29	452.96	-1,496.75	1,895,837.08	2,744,337.84	36.21025149	-107.76131250
4,453.00	29.32	138.81	4,024.77	442.02	-1,487.51	1,895,826.14	2,744,347.08	36.21022141	-107.76128118
4,485.00	32.98	139.28	4,052.15	429.52	-1,476.66	1,895,813.64	2,744,357.93	36.21018704	-107.76124445
4,516.00	36.47	137.94	4,077.63	416.28	-1,464.98	1,895,800.40	2,744,369.61	36.21015065	-107.76120489
4,548.00	39.51	135.31	4,102.85	401.98	-1,451.45	1,895,786.10	2,744,383.14	36.21011133	-107.76115905
4,579.00	41.88	133.91	4,126.35	387.79	-1,437.05	1,895,771.91	2,744,397.53	36.21007232	-107.76111030
4,611.00	44.75	132.67	4,149.63	372.74	-1,421.07	1,895,756.86	2,744,413.51	36.21003096	-107.76105617
4,642.00	47.66	132.13	4,171.08	357.66	-1,404.55	1,895,741.78	2,744,430.04	36.20998948	-107.76100019
4,674.00	50.44	131.99	4,192.05	341.47	-1,386.61	1,895,725.59	2,744,447.98	36.20994497	-107.76093941
4,705.00	53.87	132.79	4,211.07	324.96	-1,368.53	1,895,709.08	2,744,466.05	36.20989960	-107.76087818
4,737.00	57.15	133.69	4,229.19	306.89	-1,349.32	1,895,691.02	2,744,485.26	36.20984992	-107.76081312
4,768.00	59.76	134.50	4,245.40	288.51	-1,330.35	1,895,672.63	2,744,504.23	36.20979938	-107.76074886
4,800.00	60.31	135.01	4,261.39	268.99	-1,310.67	1,895,653.11	2,744,523.92	36.20974572	-107.76068217
4,831.00	62.29	134.73	4,276.27	249.81	-1,291.40	1,895,633.93	2,744,543.19	36.20969299	-107.76061690
4,863.00	65.37	134.92	4,290.39	229.57	-1,271.03	1,895,613.69	2,744,563.56	36.20963733	-107.76054791
4,894.00	69.29	135.10	4,302.33	209.34	-1,250.81	1,895,593.46	2,744,583.77	36.20958173	-107.76047943
4,900.81	70.00	135.16	4,304.70	204.81	-1,246.31	1,895,588.94	2,744,588.28	36.20956929	-107.76046417
FTP @ 4900.81 MD 4304.70 TVD									
4,926.00	72.62	135.39	4,312.77	187.86	-1,229.52	1,895,571.98	2,744,605.07	36.20952268	-107.76040730
4,957.00	75.88	135.96	4,321.19	166.52	-1,208.67	1,895,550.64	2,744,625.91	36.20946401	-107.76033670
4,989.00	79.36	136.37	4,328.05	143.98	-1,187.03	1,895,528.10	2,744,647.56	36.20940204	-107.76026339
5,020.00	82.67	136.68	4,332.89	121.76	-1,165.97	1,895,505.88	2,744,668.62	36.20934096	-107.76019204
5,051.00	85.53	137.04	4,336.07	99.26	-1,144.88	1,895,483.38	2,744,689.70	36.20927911	-107.76012064
5,115.00	89.43	137.62	4,338.89	52.26	-1,101.56	1,895,436.38	2,744,733.03	36.20914990	-107.75997389
5,146.00	89.92	137.43	4,339.06	29.39	-1,080.62	1,895,413.52	2,744,753.96	36.20908705	-107.75990299
5,240.00	90.60	136.96	4,338.63	-39.57	-1,016.75	1,895,344.55	2,744,817.83	36.20889747	-107.75968666
5,335.00	90.43	136.33	4,337.78	-108.64	-951.54	1,895,275.48	2,744,883.05	36.20870758	-107.75946577
5,430.00	90.27	135.29	4,337.20	-176.76	-885.32	1,895,207.36	2,744,949.27	36.20852032	-107.75924149
5,524.00	89.70	133.40	4,337.23	-242.46	-818.10	1,895,141.66	2,745,016.49	36.20833970	-107.75901380
5,619.00	89.94	136.41	4,337.52	-309.52	-750.82	1,895,074.61	2,745,083.76	36.20815535	-107.75878592
5,713.00	89.94	136.94	4,337.62	-377.90	-686.32	1,895,006.23	2,745,148.26	36.20796736	-107.75856747
5,808.00	89.58	136.34	4,338.02	-446.97	-621.10	1,894,937.16	2,745,213.48	36.20777748	-107.75834656
5,903.00	89.56	136.15	4,338.73	-515.58	-555.40	1,894,868.54	2,745,279.18	36.20758884	-107.75812404
5,997.00	88.96	135.26	4,339.95	-582.86	-489.76	1,894,801.27	2,745,344.82	36.20740389	-107.75790172
6,091.00	89.79	137.06	4,340.97	-650.65	-424.66	1,894,733.47	2,745,409.92	36.20721752	-107.75768123
6,185.00	89.70	136.30	4,341.39	-719.04	-360.17	1,894,665.09	2,745,474.41	36.20702952	-107.75746281
6,280.00	89.45	136.47	4,342.10	-787.81	-294.64	1,894,596.31	2,745,539.94	36.20684044	-107.75724087
6,374.00	88.92	135.78	4,343.43	-855.57	-229.50	1,894,528.56	2,745,605.08	36.20665418	-107.75702023
6,468.00	90.73	136.81	4,343.72	-923.52	-164.55	1,894,460.61	2,745,670.03	36.20646737	-107.75680027
6,562.00	91.17	136.33	4,342.16	-991.77	-99.94	1,894,392.35	2,745,734.64	36.20627973	-107.75658144
6,656.00	90.99	135.90	4,340.39	-1,059.51	-34.79	1,894,324.62	2,745,799.79	36.20609351	-107.75636079
6,750.00	90.64	135.25	4,339.05	-1,126.63	31.00	1,894,257.49	2,745,865.58	36.20590897	-107.75613796
6,844.00	90.17	134.69	4,338.39	-1,193.06	97.50	1,894,191.06	2,745,932.08	36.20572633	-107.75591273
6,939.00	89.66	133.83	4,338.53	-1,259.36	165.54	1,894,124.76	2,746,000.12	36.20554405	-107.75568229
7,033.00	90.77	135.62	4,338.18	-1,325.51	232.32	1,894,058.62	2,746,066.90	36.20536220	-107.75545611
7,127.00	91.23	135.41	4,336.54	-1,392.56	298.18	1,893,991.57	2,746,132.76	36.20517785	-107.75523306



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,222.00	91.22	134.89	4,334.50	-1,459.90	365.16	1,893,924.23	2,746,199.74	36.20499273	-107.75500620
7,316.00	91.18	134.40	4,332.54	-1,525.94	432.02	1,893,858.19	2,746,266.61	36.20481116	-107.75477974
7,411.00	91.04	133.98	4,330.70	-1,592.14	500.13	1,893,791.98	2,746,334.71	36.20462914	-107.75454907
7,505.00	89.45	134.82	4,330.29	-1,657.91	567.29	1,893,726.22	2,746,401.87	36.20444832	-107.75432162
7,599.00	89.33	133.80	4,331.29	-1,723.57	634.54	1,893,660.56	2,746,469.13	36.20426780	-107.75409382
7,693.00	89.72	135.49	4,332.07	-1,789.62	701.42	1,893,594.51	2,746,536.00	36.20408621	-107.75386733
7,787.00	90.21	136.93	4,332.13	-1,857.47	766.47	1,893,526.66	2,746,601.05	36.20389966	-107.75364704
7,881.00	90.40	136.84	4,331.63	-1,926.09	830.71	1,893,458.04	2,746,665.29	36.20371101	-107.75342947
7,975.00	90.49	136.29	4,330.90	-1,994.34	895.34	1,893,389.78	2,746,729.92	36.20352336	-107.75321061
8,070.00	90.80	135.69	4,329.83	-2,062.67	961.34	1,893,321.46	2,746,795.92	36.20333553	-107.75298709
8,164.00	91.43	135.34	4,328.00	-2,129.71	1,027.19	1,893,254.41	2,746,861.77	36.20315118	-107.75276407
8,258.00	92.43	135.10	4,324.84	-2,196.40	1,093.37	1,893,187.73	2,746,927.95	36.20296785	-107.75253996
8,352.00	91.31	135.55	4,321.77	-2,263.21	1,159.42	1,893,120.92	2,746,994.00	36.20278417	-107.75231626
8,447.00	89.51	136.89	4,321.09	-2,331.79	1,225.14	1,893,052.34	2,747,059.72	36.20259561	-107.75209368
8,541.00	89.82	137.02	4,321.64	-2,400.49	1,289.30	1,892,983.64	2,747,123.88	36.20240675	-107.75187641
8,635.00	89.88	136.36	4,321.89	-2,468.88	1,353.78	1,892,915.24	2,747,188.36	36.20221870	-107.75165805
8,730.00	89.78	135.58	4,322.17	-2,537.19	1,419.81	1,892,846.94	2,747,254.39	36.20203092	-107.75143445
8,824.00	90.16	135.63	4,322.22	-2,604.35	1,485.57	1,892,779.78	2,747,320.15	36.20184625	-107.75121174
8,918.00	91.03	136.24	4,321.24	-2,671.89	1,550.94	1,892,712.24	2,747,385.52	36.20166056	-107.75099037
9,012.00	89.06	135.87	4,321.17	-2,739.57	1,616.17	1,892,644.56	2,747,450.75	36.20147450	-107.75076947
9,106.00	89.23	135.31	4,322.57	-2,806.71	1,681.94	1,892,577.42	2,747,516.52	36.20128990	-107.75054674
9,201.00	89.49	134.60	4,323.63	-2,873.83	1,749.17	1,892,510.30	2,747,583.75	36.20110536	-107.75031908
9,295.00	90.28	134.53	4,323.82	-2,939.79	1,816.14	1,892,444.34	2,747,650.72	36.20092401	-107.75009228
9,389.00	90.68	134.45	4,323.03	-3,005.66	1,883.19	1,892,378.47	2,747,717.77	36.20074289	-107.74986520
9,483.00	90.80	133.67	4,321.82	-3,071.02	1,950.73	1,892,313.11	2,747,785.31	36.20056317	-107.74963646
9,578.00	89.76	134.80	4,321.35	-3,137.29	2,018.80	1,892,246.84	2,747,853.38	36.20038096	-107.74940596
9,672.00	90.41	134.11	4,321.21	-3,203.12	2,085.89	1,892,181.01	2,747,920.47	36.20019996	-107.74917874
9,767.00	91.38	135.39	4,319.73	-3,270.00	2,153.35	1,892,114.13	2,747,987.93	36.20001610	-107.74895030
9,861.00	89.29	136.01	4,319.18	-3,337.27	2,219.00	1,892,046.86	2,748,053.58	36.19983114	-107.74872800
9,955.00	89.60	135.82	4,320.09	-3,404.78	2,284.39	1,891,979.35	2,748,118.97	36.19964551	-107.74850655
10,049.00	90.00	134.81	4,320.42	-3,471.61	2,350.49	1,891,912.52	2,748,185.07	36.19946176	-107.74828271
10,143.00	89.84	134.06	4,320.55	-3,537.42	2,417.61	1,891,846.71	2,748,252.19	36.19928081	-107.74805541
10,237.00	90.19	135.90	4,320.53	-3,603.86	2,484.10	1,891,780.27	2,748,318.68	36.19909813	-107.74783026
10,331.00	90.91	135.90	4,319.62	-3,671.36	2,549.51	1,891,712.77	2,748,384.09	36.19891254	-107.74760876
10,425.00	91.48	135.32	4,317.66	-3,738.52	2,615.25	1,891,645.61	2,748,449.83	36.19872790	-107.74738614
10,519.00	88.96	136.03	4,317.30	-3,805.76	2,680.93	1,891,578.37	2,748,515.51	36.19854302	-107.74716375
10,613.00	89.59	136.10	4,318.49	-3,873.45	2,746.14	1,891,510.68	2,748,580.72	36.19835692	-107.74694292
10,707.00	89.78	135.33	4,319.01	-3,940.74	2,811.78	1,891,443.39	2,748,646.35	36.19817191	-107.74672068
10,801.00	89.95	134.59	4,319.23	-4,007.16	2,878.29	1,891,376.97	2,748,712.87	36.19798928	-107.74649544
10,896.00	90.91	134.85	4,318.52	-4,074.00	2,945.79	1,891,310.13	2,748,780.37	36.19780549	-107.74626687
10,990.00	91.18	134.63	4,316.80	-4,140.16	3,012.55	1,891,243.97	2,748,847.13	36.19762359	-107.74604081
11,084.00	91.43	134.37	4,314.66	-4,206.03	3,079.58	1,891,178.11	2,748,914.15	36.19744248	-107.74581384
11,178.00	91.81	133.92	4,312.00	-4,271.47	3,147.00	1,891,112.66	2,748,981.58	36.19726253	-107.74558552
11,272.00	90.13	136.60	4,310.41	-4,338.22	3,213.15	1,891,045.91	2,749,047.73	36.19707900	-107.74536153
11,366.00	90.25	136.65	4,310.10	-4,406.55	3,277.70	1,890,977.59	2,749,112.28	36.19689114	-107.74514294
11,461.00	90.54	136.70	4,309.45	-4,475.65	3,342.89	1,890,908.48	2,749,177.46	36.19670113	-107.74492224
11,555.00	90.62	135.84	4,308.49	-4,543.57	3,407.86	1,890,840.56	2,749,242.44	36.19651438	-107.74470224
11,649.00	90.44	135.32	4,307.62	-4,610.71	3,473.65	1,890,773.42	2,749,308.23	36.19632979	-107.74447947
11,743.00	90.70	134.91	4,306.69	-4,677.31	3,539.98	1,890,706.83	2,749,374.56	36.19614667	-107.74425487
11,837.00	90.82	134.69	4,305.44	-4,743.54	3,606.67	1,890,640.60	2,749,441.25	36.19596456	-107.74402904
11,931.00	91.38	134.74	4,303.64	-4,809.66	3,673.46	1,890,574.47	2,749,508.04	36.19578275	-107.74380290
12,025.00	90.15	135.57	4,302.38	-4,876.30	3,739.74	1,890,507.83	2,749,574.32	36.19559951	-107.74357847
12,120.00	90.37	135.35	4,301.95	-4,944.01	3,806.37	1,890,440.12	2,749,640.95	36.19541333	-107.74335285
12,213.00	90.74	135.41	4,301.05	-5,010.20	3,871.69	1,890,373.93	2,749,706.27	36.19523133	-107.74313168
12,308.00	90.77	134.72	4,299.80	-5,077.45	3,938.78	1,890,306.68	2,749,773.36	36.19504643	-107.74290450



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 053H
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. 053H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	MWD surveys	Database:	DT_Feb1624_v17

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,402.00	91.31	134.12	4,298.09	-5,143.23	4,005.91	1,890,240.90	2,749,840.49	36.19486555	-107.74267721
12,496.00	91.17	135.16	4,296.06	-5,209.26	4,072.78	1,890,174.87	2,749,907.35	36.19468398	-107.74245079
12,590.00	91.78	135.00	4,293.64	-5,275.80	4,139.13	1,890,108.33	2,749,973.71	36.19450102	-107.74222613
12,685.00	90.62	137.27	4,291.65	-5,344.27	4,204.94	1,890,039.86	2,750,039.52	36.19431275	-107.74200330
12,779.00	90.86	137.74	4,290.44	-5,413.58	4,268.44	1,889,970.56	2,750,103.01	36.19412220	-107.74178833
12,873.00	91.33	137.23	4,288.64	-5,482.85	4,331.95	1,889,901.28	2,750,166.52	36.19393174	-107.74157331
12,967.00	91.88	137.34	4,286.01	-5,551.89	4,395.69	1,889,832.25	2,750,230.26	36.19374192	-107.74135751
13,061.00	89.87	136.14	4,284.57	-5,620.33	4,460.09	1,889,763.80	2,750,294.67	36.19355373	-107.74113945
13,155.00	89.72	135.24	4,284.91	-5,687.59	4,525.76	1,889,696.54	2,750,360.33	36.19336878	-107.74091713
13,250.00	90.20	135.85	4,284.97	-5,755.40	4,592.29	1,889,628.73	2,750,426.86	36.19318233	-107.74069186
13,344.00	89.11	135.57	4,285.54	-5,822.69	4,657.93	1,889,561.45	2,750,492.50	36.19299732	-107.74046963
13,438.00	89.72	135.34	4,286.50	-5,889.68	4,723.86	1,889,494.46	2,750,558.43	36.19281312	-107.74024639
13,532.00	91.13	135.63	4,285.80	-5,956.70	4,789.76	1,889,427.43	2,750,624.33	36.19262882	-107.74002328
13,627.00	89.27	134.38	4,285.47	-6,023.88	4,856.92	1,889,360.26	2,750,691.50	36.19244410	-107.73979587
13,722.00	89.76	134.01	4,286.27	-6,090.10	4,925.03	1,889,294.03	2,750,759.61	36.19226200	-107.73956526
13,816.00	90.54	133.91	4,286.03	-6,155.35	4,992.70	1,889,228.78	2,750,827.27	36.19208257	-107.73933616
13,910.00	91.15	133.72	4,284.64	-6,220.42	5,060.52	1,889,163.71	2,750,895.09	36.19190363	-107.73910653
14,004.00	91.36	132.86	4,282.58	-6,284.86	5,128.92	1,889,099.27	2,750,963.50	36.19172643	-107.73887492
14,099.00	92.10	132.35	4,279.72	-6,349.14	5,198.81	1,889,034.99	2,751,033.39	36.19154966	-107.73863827
14,193.00	92.87	132.02	4,275.64	-6,412.21	5,268.40	1,888,971.93	2,751,102.97	36.19137623	-107.73840265
14,211.70	92.90	131.91	4,274.70	-6,424.69	5,282.29	1,888,959.44	2,751,116.86	36.19134189	-107.73835563
LTP @ 14211.70 MD 4274.70 TVD									
14,223.00	92.91	131.85	4,274.13	-6,432.23	5,290.69	1,888,951.91	2,751,125.26	36.19132117	-107.73832718
330 pd @ 14223.00 MD 4274.13 TVD									
14,288.00	93.00	131.48	4,270.78	-6,475.38	5,339.18	1,888,908.75	2,751,173.75	36.19120249	-107.73816298
Survey @ 14288.00 MD 4270.78 TVD									
14,381.00	93.00	131.48	4,265.91	-6,536.90	5,408.76	1,888,847.24	2,751,243.33	36.19103332	-107.73792738
Survey proj. to 14381.00 MD 4265.91 TVD 141 FSL 1894 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
426.00	425.99	-0.06	-1.82	MWD surveys
2,950.20	2,670.58	386.92	-1,014.01	9 5/8" Casing shoe @ 2950.20 MD 2670.58 TVD
4,900.81	4,304.70	204.81	-1,246.31	FTP @ 4900.81 MD 4304.70 TVD
14,211.70	4,274.70	-6,424.69	5,282.29	LTP @ 14211.70 MD 4274.70 TVD
14,223.00	4,274.13	-6,432.23	5,290.69	330 pd @ 14223.00 MD 4274.13 TVD
14,288.00	4,270.78	-6,475.38	5,339.18	Survey @ 14288.00 MD 4270.78 TVD
14,381.00	4,265.91	-6,536.90	5,408.76	Survey proj. to 14381.00 MD 4265.91 TVD 141 FSL 1894 FEL

WELL NAME: GREATER LYBROOK UNIT 053H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Cms formation
API Number: 30-045-38307
AFE Number: DV03077
ER Well Number: NM08272.01
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 1,397 ft FSL 2,058 ft FEL
BH Location: 25-23N-09W Sec-Twn- Rng 232 ft FSL 2013 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).

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	377	13.375	54.5	J-55	BTC	0	377
Intermediate	12.250	2,942	9.625	36.0	J-55	LTC	0	2,942
Production	8.500	14,307	5.500	17.0	P-110	LTC	0	14,307

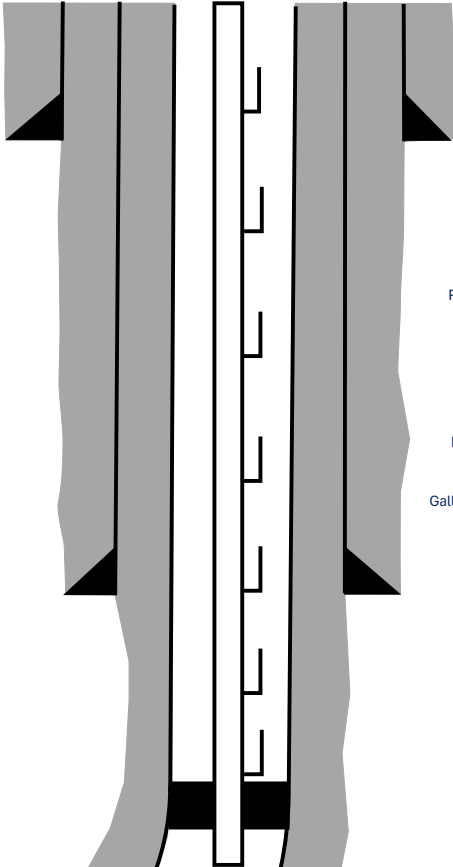
CEMENT PROPERTIES SUMMARY:

	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	576
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,651	137
Prod. (Lead)	Type III	12.4	2.260	13.3	0.2691	65%	0	580
Prod. (Tail)	G:POZ blend	13.3	1.570	7.71	0.13052916	10%	4,450	1,589

COMPLETION / PRODUCTION SUMMARY:

Frac: Perf, Plug & Frac 35 stages: 3 spf. 0.30" diameter from 5410' to 14178' MD
Total of 1470 open holes. As pumped: 108,251 bbls of fluid. 8,960,996 lbs of proppant.
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

QUICK REFERENCE	
Sur TD (MD)	377 ft
Int TD (MD)	2,942 ft
KOP (MD)	3,920 ft
KOP (TVD)	3,523 ft
Target (TVD)	4,276 ft
Curve BUR	10 °/100 ft
POE (MD)	4,813 ft
TD (MD)	14,381 ft
Lat Len (ft)	9,485 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

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. NOG13121863

6. If Indian, Allottee or Tribe Name
NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ENDURING RESOURCES LLC

3a. Address 200 ENERGY COURT, FARMINGTON, NM 87401 3b. Phone No. (include area code)
(505) 497-8574

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 23/T23N/R9W/NMP

7. If Unit of CA/Agreement, Name and/or No.
Greater Lybrook/NMNM144419X

8. Well Name and No.
GREATER LYBROOK UNIT/053H

9. API Well No. 3004538307

10. Field and Pool or Exploratory Area
BASIN MANCOS/LYBROOK MANCOS W

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	
	☐ 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 recomplete 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 recompletion 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

2/27/24: NU BOPE. Full function PT L750 H9500 (30min), all tests good & recorded on chart.

2/28/24: Open well, increase pressure, Frac Sleeve opened at 6700 psi.

2/29/24-3/8/24: Perf, Plug & Frac 35 stages: 3 spf. 0.30 diameter from 5410 to 14178 MD (4337 to 4280 TVD). Total of 1470 open holes. As pumped: 108,251 bbls of fluid. 8,960,996 lbs of proppant.

4/3/24: MIRU Blackhawk 314. NU BOP. Full function PT to L400 H4900 (30min) test good & recorded on chart.

4/4/24 to 4/6/24 TIH. Drill out plugs. TOH.

4/6/24: RIH with production string. Land 155 jts of 2.875 6.5# L80 EUE tubing. EOT: 5135. Six GLVs set at 1403 2063 2625 3219 3780 4309.

POH. ND BOPE. NU production tree & PT to 10k (30min) test good & recorded on chart. Turn well over to production. Rig released on 4/7/24.

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
04/16/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted

Title
Petroleum Engineer

Date
04/16/2024

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

05/03/2024

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

Section 1 - General

Well Completion Report Id: 91663**Submission Date:** 04-30-2024**BLM Office:** Farmington Field Office**User:** HEATHER HUNTINGTON**Title:** Permitting Technician**Federal/Indian:** INDIAN**Lease Number:** NOG13121863**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:** 08-14-2023**Date Total Measured Depth Reached:** 02-16-2024**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 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
NACIMIENTO	SANDSTONE, SHALE		7028	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	721	COAL	
PICTURED CLIFFS	SANDSTONE		5727	1100	1120	NATURAL GAS	
LEWIS	SHALE		5605	1222	1257	NATURAL GAS	
CHACRA	SANDSTONE, SHALE		5336	1491	1568	NATURAL GAS	
CLIFFHOUSE	SANDSTONE		4279	2548	2792	NATURAL GAS	
MENEFEE	COAL, SANDSTONE, SHALE		4254	2573	2821	NATURAL GAS	
POINT LOOKOUT	SANDSTONE, SHALE		3297	3530	3928	NATURAL GAS	
MANCOS	SHALE		3152	3675	4085	NATURAL GAS, OIL	
GALLUP	SHALE		2792	4035	4450	NATURAL GAS, OIL	

Completion and Completed

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

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	NOG13121863	NEW		POW	04-06-2024	04-08-2024	GALLUP	5410	14178	Y	.3	1470	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	108251	8960996	

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	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbbls)	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)

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

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	04/13/2024	24	221	602	977	2723	48/64	149		773

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	36.209004	-107.75624	6802	N/A	N/A	INDIAN	NOG13121857			1397	FSL	2058	FEL	23N	9W	23	NWSE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.209004	-107.75624	6425	377	377	INDIAN	NOG13121857				1397	FSL	2058	FEL	23N	9W	23	NWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.200415	-107.749358	2536	14257	4266	INDIAN	NMNM036949				1733	FNL	0	FWL	23N	9W	26	SWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.205168	-107.755124	2536	14257	4266	FEDERAL	NMNM057164				0	FNL	1711	FEL	23N	9W	26	NWNE

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

	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	36.209569	-107.760464	2536	14257	4266	INDIAN	NOG13121863				1605	FSL	1958	FWL	23N	9W	23	NESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.207709	-107.758207	2536	14257	4266	INDIAN	NOG13121857				927	FSL	2632	FEL	23N	9W	23	SWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.191342	-107.738356	2536	14307	4266	INDIAN	NMNM036949				253	FSL	2019	FEL	23N	9W	25	SWSE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.191033	-107.737927	2536	14381	4266	INDIAN	NMNM036949	4266	14257		141	FSL	1893	FEL	23N	9W	25	SWSE

Casing, Liner and Tubing

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 053H

State NM

Agreement Name Greater
Lybrook

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

US Well Number 3004538307

Lease Number(s)
NOG13121863

Agreement Number(s)
NMNM144419X

APD ID 10400081626

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	377	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	2942	9.625	36	J-55		LT&C		
00	PRODUCTION	8.5	0	14307	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	576	2.14	0	Type III	137	1.38	2651	253.2
00	PRODUCTION		Type III	580	2.26	0	Class G:POZ Blend	1589	1.57	4450	677.8

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		5135		6	L-80		ST&C	

Operator Name ENDURING RESOURCES LLC SHL NWSE Sec 23 23N 9W	Well Name GREATER LYBROOK UNIT	Well Number 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

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: 05/02/2024

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 053H	US Well Number 3004538307
	County SAN JUAN	State NM	Lease Number(s) NOG13121863
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 10400081626

Greater_Lybrook_Unit__053H_As_drilled_C_102_Plat___SIGNED_20240429141408.pdf

Greater_Lybrook_Unit_053H_svys_final_PVA_20240430152934.pdf

WDB_053H_04302024_20240430152945.pdf

CONFIDENTIAL

From: blm-afmss-notifications@blm.gov
To: [Heather Huntington](#)
Subject: Well Name: GREATER LYBROOK UNIT, Well Number: 053H, Notification of Well Completion Acceptance
Date: Thursday, May 2, 2024 3:12:53 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: **053H**
- US Well Number: **3004538307**
- Well Completion Report Id: **WCR2024050291663**

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 340700

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 340700
	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 340700

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 340700
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	6/27/2024