

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 RT	
⁴ API Number 30-045-38311	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 332891	⁸ Property Name GREATER LYBROOK UNIT		⁹ Well Number 057H

II. ¹⁰ Surface Location

Ul or lot no. J	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 1354'	North/South Line SOUTH	Feet from the 1990'	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location

UL or lot no. I	Section 25	Township 23N	Range 9W	Lot Idn	Feet from the 1810'	North/South line SOUTH	Feet from the 178'	East/West line EAST	County SAN JUAN
¹² Lse Code N	¹³ Producing Method Code		¹⁴ Gas Connection Date 3/20/24		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 9/9/2023	²² Ready Date 3/20/2024	²³ TD 14,067 MD 4,324' TVD	²⁴ PBTD 14,006' MD 4,324' TVD	²⁵ Perforations ~ 5,101'– 13,951' MD ~ 4,339'–4,332' TVD AlphaSleeve @ 13,951	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 - surface
12.25		9.625",36#, J-55		3021' MD	726 sx- surface
8.5		5.5",17#, P-110		14,056' MD	2120 sx- surface

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ	
Printed name: Heather Huntington		Title: PETROLEUM SPECIALIST	
Title: Permitting Technician		Approval Date: 3/12/2024	
E-mail Address:hhuntington@enduringresources.com			
Date: 2/28/24	Phone:505-636-9751	RT EXPIRES 6/20/2024	



ENDURING RESOURCES IV LLC

February 27, 2024

Re: GREATER LYBROOK UNIT 057H-30-045-38311

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

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1825 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38311	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 057H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6802'

¹⁰ Surface Location

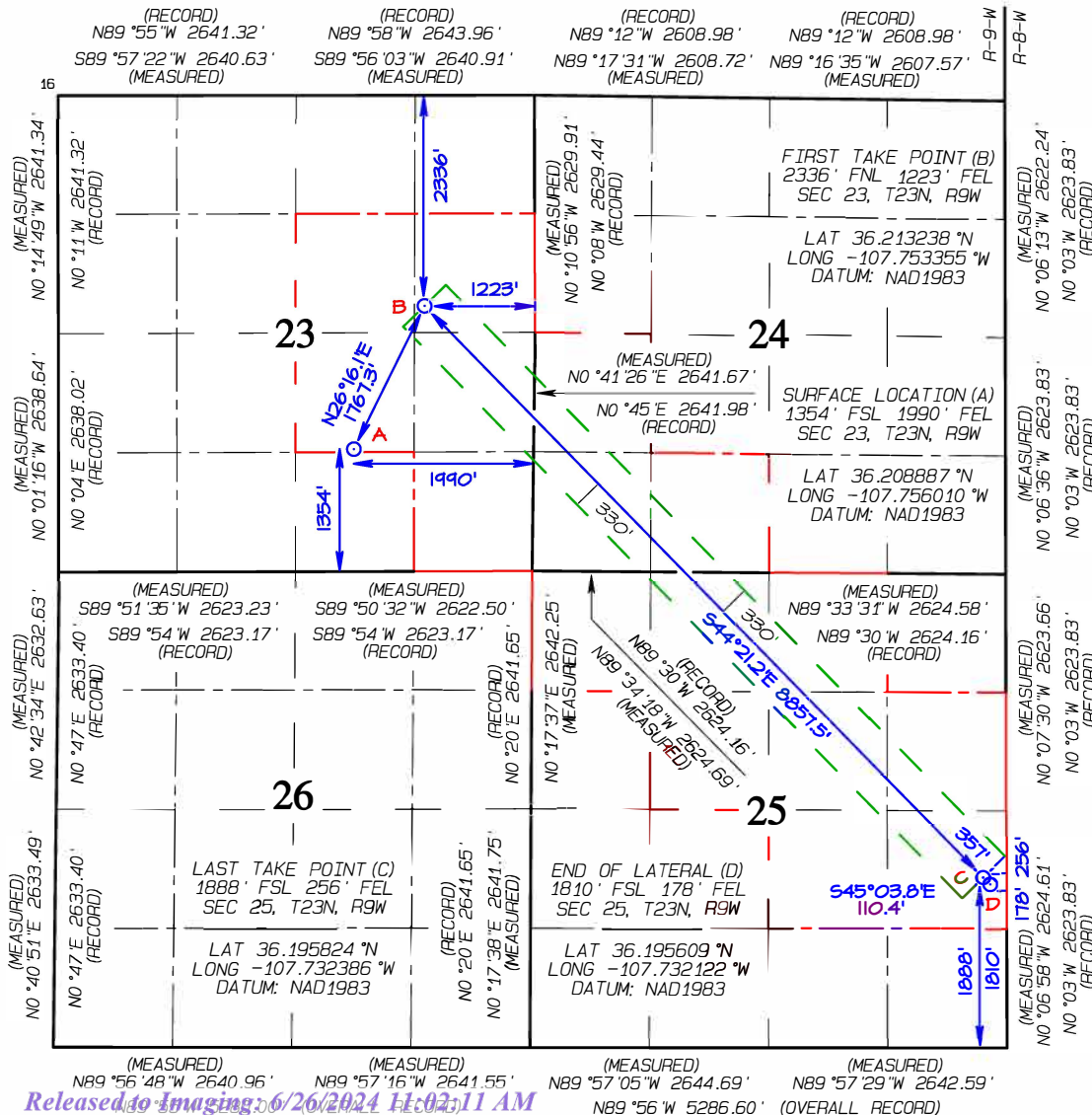
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	23N	9W		1354	SOUTH	1990	EAST	SAN JUAN

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
I	25	23N	9W		1810	SOUTH	178	EAST	SAN JUAN

¹² Dedicated Acres 640.0 S/2 NE/4, N/2 SE/4 SE/4 SE/4 - Section 23 W/2 SW/4, SE/4 SW/4 - Section 24 N/2 NW/4, SE/4 NW/4, W/2 NE/4 S/2 NE/4, N/2 SE/4 - Section 25	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-22081
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

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

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

Date Revised: FEBRUARY 24, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38311	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 057H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6802'

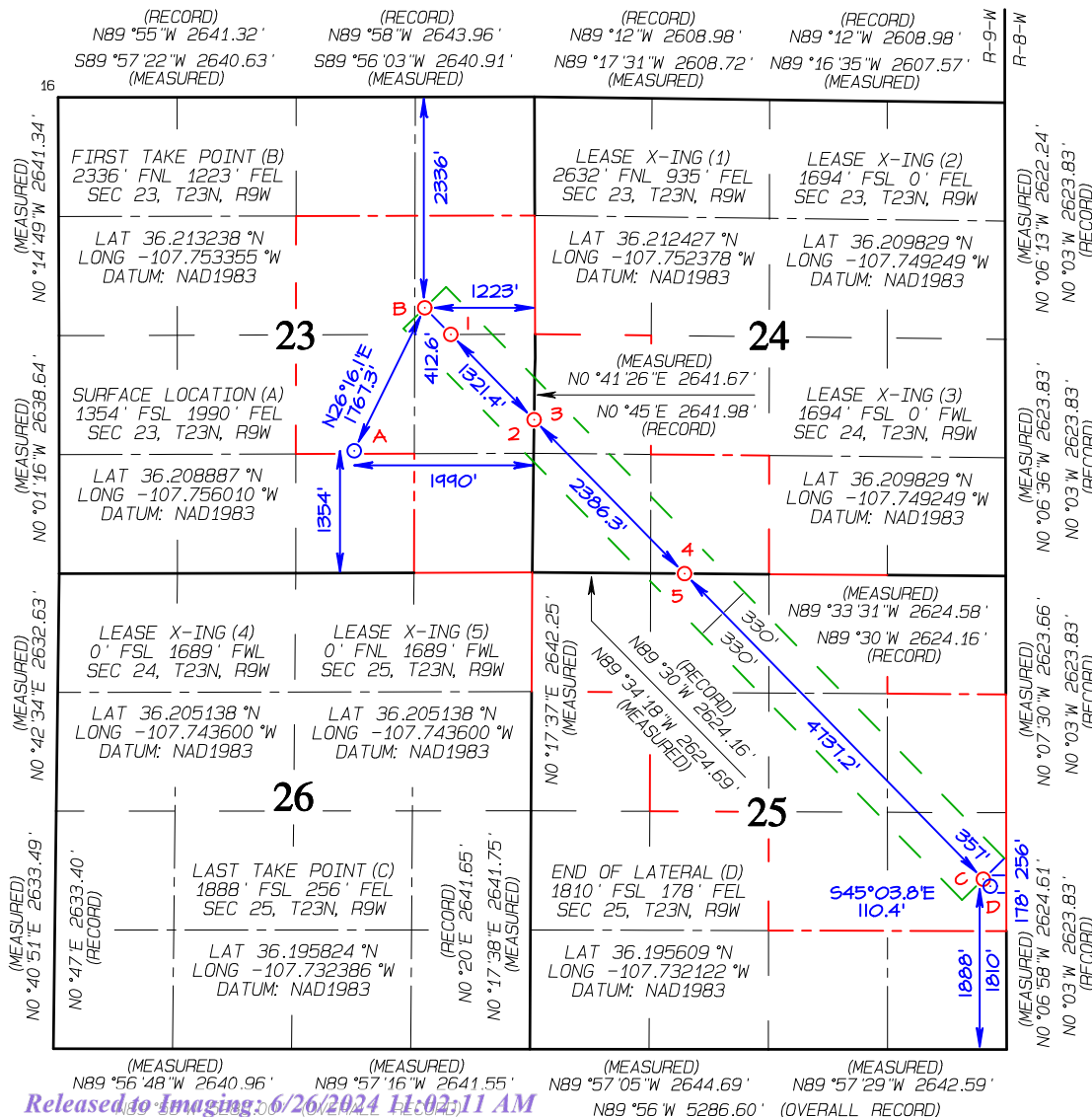
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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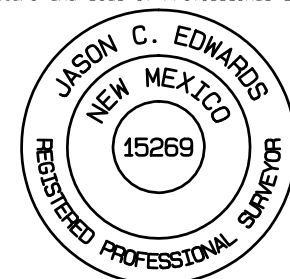
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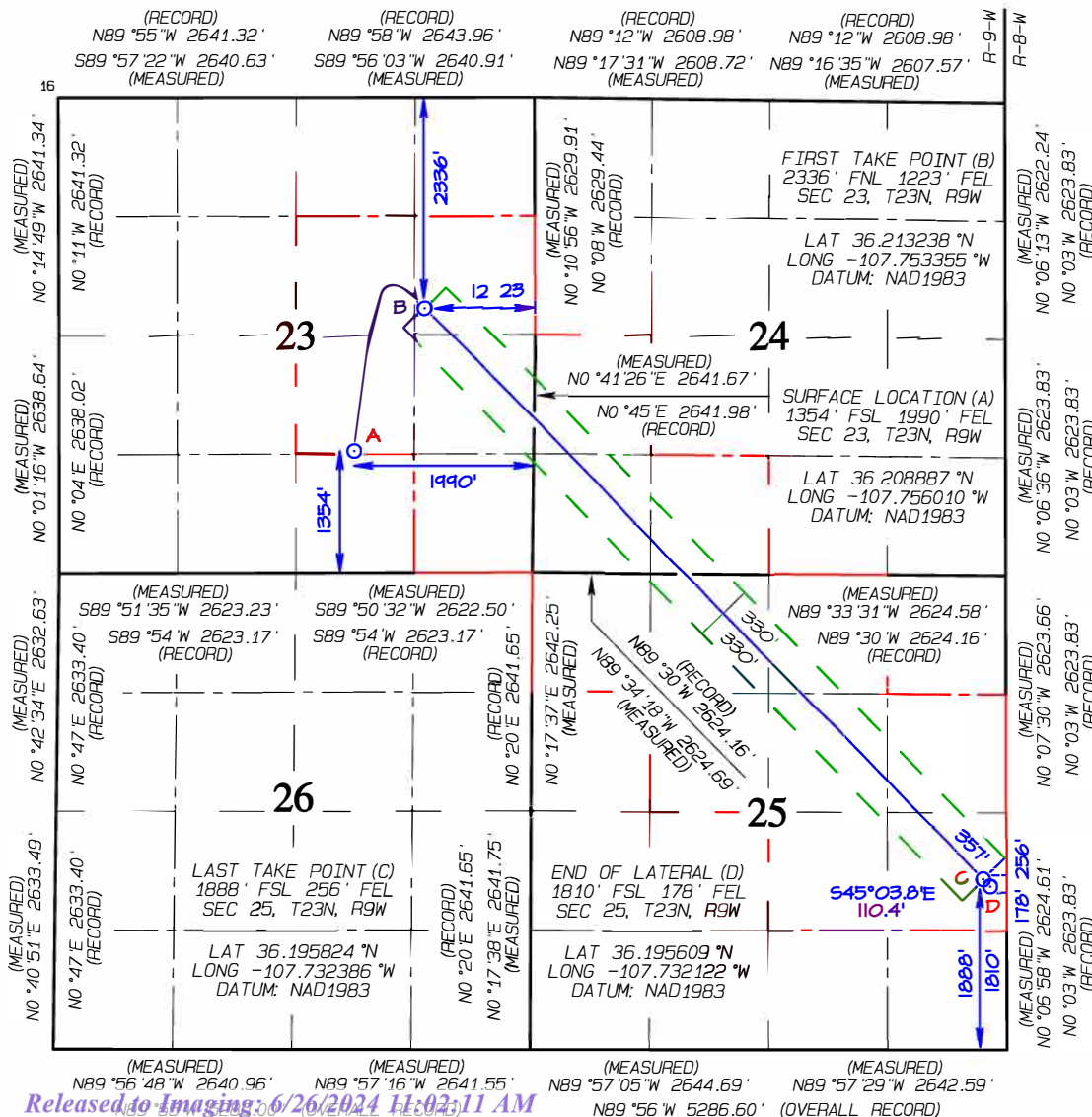
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Date Revised: FEBRUARY 24, 2024
Survey Date: SEPTEMBER 29, 2021

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Well: Greater Lybrook Unit No. 057H
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)

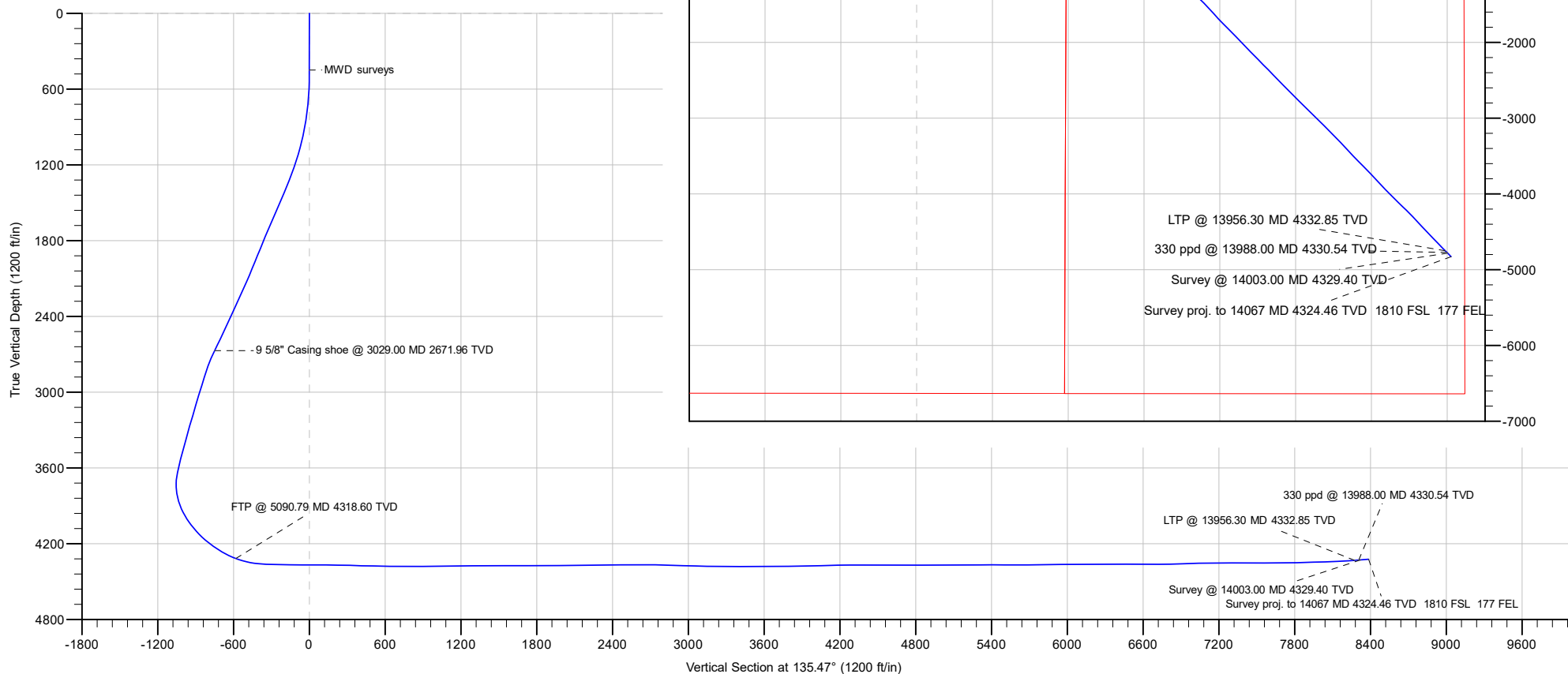
Surface location:
 Northing 1895341.58 Easting 2745902.47 Latitude 36.20888700 Longitude -107.75601000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.51°



Azimuths to Grid North
 True North: -0.05°
 Magnetic North: 8.51°

Magnetic Field
 Strength: 49058.3nT
 Dip Angle: 62.68°
 Date: 10/12/2023
 Model: IGRF2020



ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
450.00	0.15	352.03	450.00	0.57	-0.08	-0.46	MWD surveys
3029.00	37.86	7.28	2671.96	1197.80	149.37	-749.14	9 5/8" Casing shoe @ 3029.00 MD 2671.96 TVD
5090.79	69.84	134.51	4318.60	1584.58	782.05	-581.18	FTP @ 5090.79 MD 4318.60 TVD
13956.30	94.04	135.18	4332.85	-4748.96	6974.11	8276.28	LTP @ 13956.30 MD 4332.85 TVD
13988.00	94.31	134.97	4330.54	-4771.35	6996.43	8307.89	330 ppd @ 13988.00 MD 4330.54 TVD
14003.00	94.43	134.87	4329.40	-4781.91	7007.02	8322.85	Survey @ 14003.00 MD 4329.40 TVD
14067.00	94.43	134.87	4324.46	-4826.93	7052.24	8386.65	Survey proj. to 14067 MD 4324.46 TVD 1810 FSL 177 FEL



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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. 057H, Surf loc: 1354 FSL 1990 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,341.59 usft	Latitude:	36.20888700
	+E/-W	0.00 ft	Easting:	2,745,902.47 usft	Longitude:	-107.75601000
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	10/12/2023	8.56	62.68	49,058.25632897

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	1/30/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,914.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,973.00	14,003.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,067.00	14,067.00	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	
450.00	0.15	352.03	450.00	0.57	-0.08	-0.46	0.03	0.03	0.00	
MWD surveys										
480.00	0.09	233.89	480.00	0.60	-0.10	-0.50	0.69	-0.20	-393.80	
539.00	0.76	353.21	539.00	0.96	-0.19	-0.82	1.37	1.14	202.24	
599.00	2.95	357.83	598.96	2.90	-0.29	-2.27	3.66	3.65	7.70	
659.00	5.47	356.35	658.80	7.29	-0.53	-5.58	4.20	4.20	-2.47	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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)
720.00	8.12	0.72	719.36	14.51	-0.67	-10.81	4.42	4.34	7.16
780.00	10.47	1.01	778.57	24.19	-0.52	-17.61	3.92	3.92	0.48
840.00	12.64	5.01	837.35	36.19	0.15	-25.69	3.85	3.62	6.67
899.00	14.96	5.00	894.65	50.21	1.38	-34.82	3.93	3.93	-0.02
959.00	17.44	4.77	952.26	66.88	2.80	-45.71	4.13	4.13	-0.38
1,021.00	20.06	4.13	1,010.96	86.75	4.34	-58.80	4.24	4.23	-1.03
1,084.00	22.65	5.58	1,069.63	109.60	6.30	-73.72	4.20	4.11	2.30
1,147.00	25.10	6.09	1,127.24	134.97	8.90	-89.98	3.90	3.89	0.81
1,210.00	28.21	6.29	1,183.54	163.06	11.95	-107.87	4.94	4.94	0.32
1,274.00	30.99	7.07	1,239.18	194.46	15.63	-127.66	4.39	4.34	1.22
1,337.00	32.87	8.58	1,292.64	227.46	20.18	-148.00	3.24	2.98	2.40
1,400.00	33.60	8.45	1,345.34	261.61	25.29	-168.76	1.16	1.16	-0.21
1,463.00	33.22	6.91	1,397.93	295.98	29.93	-190.01	1.47	-0.60	-2.44
1,526.00	33.31	6.64	1,450.61	330.30	34.01	-211.61	0.28	0.14	-0.43
1,589.00	33.85	6.23	1,503.09	364.92	37.91	-233.56	0.93	0.86	-0.65
1,652.00	34.97	6.35	1,555.07	400.31	41.81	-256.05	1.78	1.78	0.19
1,715.00	35.56	6.55	1,606.51	436.45	45.90	-278.95	0.95	0.94	0.32
1,778.00	35.36	7.36	1,657.82	472.73	50.32	-301.71	0.81	-0.32	1.29
1,841.00	34.25	8.33	1,709.55	508.35	55.23	-323.67	1.97	-1.76	1.54
1,905.00	34.44	8.59	1,762.39	544.07	60.54	-345.40	0.38	0.30	0.41
1,968.00	34.65	9.03	1,814.28	579.37	66.01	-366.73	0.52	0.33	0.70
2,031.00	34.15	7.75	1,866.27	614.58	71.21	-388.19	1.40	-0.79	-2.03
2,094.00	33.30	7.53	1,918.66	649.25	75.86	-409.64	1.36	-1.35	-0.35
2,157.00	34.08	7.81	1,971.08	683.88	80.52	-431.06	1.26	1.24	0.44
2,220.00	34.65	8.03	2,023.09	719.10	85.42	-452.73	0.93	0.90	0.35
2,283.00	34.84	7.88	2,074.85	754.66	90.39	-474.60	0.33	0.30	-0.24
2,346.00	35.53	8.00	2,126.34	790.62	95.41	-496.71	1.10	1.10	0.19
2,409.00	35.85	7.34	2,177.51	827.04	100.31	-519.24	0.79	0.51	-1.05
2,472.00	36.25	7.40	2,228.45	863.81	105.07	-542.11	0.64	0.63	0.10
2,535.00	37.39	7.87	2,278.88	901.23	110.09	-565.27	1.86	1.81	0.75
2,598.00	37.88	8.11	2,328.77	939.33	115.43	-588.68	0.81	0.78	0.38
2,661.00	36.38	7.75	2,379.00	976.99	120.68	-611.85	2.41	-2.38	-0.57
2,724.00	36.52	7.31	2,429.67	1,014.10	125.59	-634.86	0.47	0.22	-0.70
2,788.00	36.73	7.32	2,481.03	1,051.97	130.45	-658.45	0.33	0.33	0.02
2,851.00	37.22	7.24	2,531.36	1,089.55	135.25	-681.87	0.78	0.78	-0.13
2,914.00	37.90	7.56	2,581.31	1,127.64	140.20	-705.55	1.12	1.08	0.51
2,973.00	38.07	7.47	2,627.81	1,163.64	144.95	-727.89	0.30	0.29	-0.15
3,029.00	37.86	7.28	2,671.96	1,197.80	149.37	-749.14	0.43	-0.38	-0.34
9 5/8" Casing shoe @ 3029.00 MD 2671.96 TVD									
3,071.00	37.70	7.14	2,705.15	1,223.33	152.60	-765.07	0.43	-0.38	-0.34
3,166.00	34.32	12.10	2,782.01	1,278.36	161.83	-797.84	4.70	-3.56	5.22
3,260.00	30.83	15.80	2,861.21	1,327.47	173.95	-824.35	4.27	-3.71	3.94
3,355.00	31.01	14.19	2,942.72	1,374.62	186.57	-849.10	0.89	0.19	-1.69
3,449.00	30.81	12.35	3,023.37	1,421.61	197.66	-874.83	1.03	-0.21	-1.96



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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	30.43	16.95	3,105.13	1,468.40	209.88	-899.61	2.50	-0.40	4.84
3,638.00	30.62	15.89	3,186.10	1,514.19	223.37	-922.80	0.61	0.20	-1.13
3,733.00	30.28	14.75	3,268.00	1,560.63	236.09	-946.97	0.71	-0.36	-1.20
3,827.00	30.07	16.48	3,349.27	1,606.13	248.81	-970.50	0.95	-0.22	1.84
3,921.00	30.17	19.46	3,430.58	1,650.98	263.36	-992.27	1.59	0.11	3.17
4,015.00	28.78	18.40	3,512.41	1,694.73	278.37	-1,012.93	1.58	-1.48	-1.13
4,078.00	28.19	16.83	3,567.78	1,723.36	287.47	-1,026.96	1.51	-0.94	-2.49
4,109.00	28.43	16.58	3,595.08	1,737.44	291.69	-1,034.03	0.86	0.77	-0.81
4,140.00	28.59	20.37	3,622.32	1,751.47	296.38	-1,040.75	5.86	0.52	12.23
4,172.00	28.62	25.89	3,650.42	1,765.54	302.39	-1,046.56	8.26	0.09	17.25
4,203.00	28.70	32.37	3,677.63	1,778.51	309.62	-1,050.74	10.02	0.26	20.90
4,235.00	27.64	39.03	3,705.84	1,790.77	318.41	-1,053.31	10.36	-3.31	20.81
4,266.00	26.58	47.17	3,733.45	1,801.08	328.03	-1,053.92	12.44	-3.42	26.26
4,297.00	25.72	54.28	3,761.28	1,809.72	338.58	-1,052.68	10.48	-2.77	22.94
4,329.00	25.94	60.15	3,790.09	1,817.26	350.29	-1,049.84	8.02	0.69	18.34
4,360.00	27.03	66.71	3,817.84	1,823.42	362.64	-1,045.57	10.07	3.52	21.16
4,392.00	28.46	73.25	3,846.17	1,828.50	376.63	-1,039.38	10.51	4.47	20.44
4,423.00	29.34	79.86	3,873.31	1,831.96	391.18	-1,031.65	10.68	2.84	21.32
4,454.00	30.54	85.95	3,900.18	1,833.86	406.52	-1,022.24	10.54	3.87	19.65
4,486.00	32.35	90.85	3,927.49	1,834.30	423.19	-1,010.87	9.78	5.66	15.31
4,517.00	34.07	95.16	3,953.43	1,833.40	440.14	-998.34	9.42	5.55	13.90
4,549.00	35.55	100.08	3,979.70	1,830.96	458.23	-983.92	9.92	4.63	15.38
4,580.00	36.74	105.36	4,004.74	1,826.93	476.05	-968.54	10.75	3.84	17.03
4,621.00	38.17	110.38	4,037.30	1,819.27	499.76	-946.46	8.22	3.49	12.24
4,643.00	39.71	114.43	4,054.41	1,813.99	512.53	-933.74	13.52	7.00	18.41
4,675.00	41.04	118.16	4,078.79	1,804.81	531.10	-914.16	8.62	4.16	11.66
4,706.00	42.46	122.57	4,101.92	1,794.37	548.90	-894.24	10.52	4.58	14.23
4,738.00	44.48	126.69	4,125.15	1,781.85	566.99	-872.63	10.87	6.31	12.88
4,770.00	46.13	130.73	4,147.66	1,767.62	584.73	-850.05	10.35	5.16	12.63
4,801.00	48.71	132.24	4,168.64	1,752.50	601.82	-827.28	9.06	8.32	4.87
4,832.00	51.40	132.28	4,188.54	1,736.52	619.41	-803.55	8.68	8.68	0.13
4,864.00	54.45	132.38	4,207.83	1,719.33	638.28	-778.06	9.53	9.53	0.31
4,895.00	56.61	132.57	4,225.37	1,702.07	657.13	-752.54	6.99	6.97	0.61
4,927.00	56.24	132.35	4,243.07	1,684.07	676.80	-725.92	1.29	-1.16	-0.69
4,958.00	57.50	132.57	4,260.01	1,666.55	695.95	-699.99	4.11	4.06	0.71
4,990.00	60.54	132.87	4,276.48	1,647.93	716.11	-672.59	9.53	9.50	0.94
5,021.00	63.77	133.43	4,290.96	1,629.19	736.10	-645.21	10.54	10.42	1.81
5,053.00	66.20	134.31	4,304.49	1,609.09	757.00	-616.22	7.99	7.59	2.75
5,084.00	69.28	134.42	4,316.23	1,589.03	777.51	-587.54	9.94	9.94	0.35
5,090.79	69.84	134.51	4,318.60	1,584.58	782.05	-581.18	8.41	8.31	1.36
FTP @ 5090.79 MD 4318.60 TVD									
5,116.00	71.94	134.85	4,326.85	1,567.83	798.99	-557.36	8.41	8.31	1.34
5,147.00	74.45	134.94	4,335.81	1,546.88	820.01	-527.69	8.10	8.10	0.29



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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)
5,179.00	76.89	134.73	4,343.73	1,525.03	841.99	-496.69	7.65	7.63	-0.66
5,210.00	79.15	134.79	4,350.17	1,503.67	863.52	-466.37	7.29	7.29	0.19
5,242.00	81.30	135.09	4,355.60	1,481.40	885.84	-434.84	6.78	6.72	0.94
5,273.00	84.03	134.98	4,359.56	1,459.65	907.57	-404.10	8.81	8.81	-0.35
5,336.00	88.27	135.31	4,363.79	1,415.10	951.89	-341.25	6.75	6.73	0.52
5,431.00	89.04	133.80	4,366.02	1,348.47	1,019.57	-246.30	1.78	0.81	-1.59
5,525.00	89.41	133.03	4,367.29	1,283.87	1,087.84	-152.37	0.91	0.39	-0.82
5,620.00	89.43	134.99	4,368.25	1,217.87	1,156.16	-57.41	2.06	0.02	2.06
5,714.00	90.54	135.10	4,368.28	1,151.35	1,222.57	36.59	1.19	1.18	0.12
5,809.00	88.84	135.85	4,368.79	1,083.63	1,289.19	131.58	1.96	-1.79	0.79
5,904.00	89.04	135.37	4,370.55	1,015.75	1,355.63	226.57	0.55	0.21	-0.51
5,998.00	88.27	137.08	4,372.75	947.90	1,420.64	320.53	1.99	-0.82	1.82
6,092.00	88.59	136.21	4,375.33	879.58	1,485.15	414.47	0.99	0.34	-0.93
6,186.00	88.67	135.59	4,377.58	812.09	1,550.55	508.44	0.66	0.09	-0.66
6,281.00	89.18	135.21	4,379.36	744.46	1,617.24	603.43	0.67	0.54	-0.40
6,375.00	89.28	134.81	4,380.62	677.99	1,683.69	697.41	0.44	0.11	-0.43
6,469.00	90.54	135.96	4,380.77	611.08	1,749.71	791.41	1.81	1.34	1.22
6,563.00	90.21	134.83	4,380.15	544.16	1,815.71	885.41	1.25	-0.35	-1.20
6,657.00	90.82	134.80	4,379.31	477.91	1,882.39	979.40	0.65	0.65	-0.03
6,751.00	90.74	134.49	4,378.03	411.86	1,949.26	1,073.38	0.34	-0.09	-0.33
6,845.00	90.34	133.87	4,377.14	346.35	2,016.67	1,167.35	0.78	-0.43	-0.66
6,940.00	90.29	137.21	4,376.62	278.56	2,083.20	1,262.33	3.52	-0.05	3.52
7,034.00	90.27	136.61	4,376.16	209.91	2,147.42	1,356.30	0.64	-0.02	-0.64
7,128.00	90.39	135.96	4,375.62	141.97	2,212.38	1,450.29	0.70	0.13	-0.69
7,223.00	90.48	135.25	4,374.90	74.09	2,278.84	1,545.29	0.75	0.09	-0.75
7,317.00	89.92	137.18	4,374.57	6.23	2,343.88	1,639.27	2.14	-0.60	2.05
7,412.00	90.33	135.62	4,374.36	-62.56	2,409.39	1,734.26	1.70	0.43	-1.64
7,506.00	90.36	134.38	4,373.80	-129.02	2,475.85	1,828.25	1.32	0.03	-1.32
7,600.00	89.92	136.44	4,373.57	-195.96	2,541.84	1,922.25	2.24	-0.47	2.19
7,695.00	90.21	135.59	4,373.46	-264.32	2,607.81	2,017.24	0.95	0.31	-0.89
7,788.00	90.88	134.84	4,372.58	-330.32	2,673.32	2,110.23	1.08	0.72	-0.81
7,882.00	90.07	137.37	4,371.80	-398.05	2,738.49	2,204.22	2.83	-0.86	2.69
7,977.00	91.13	136.85	4,370.80	-467.65	2,803.14	2,299.17	1.24	1.12	-0.55
8,071.00	91.93	136.47	4,368.29	-535.99	2,867.63	2,393.12	0.94	0.85	-0.40
8,165.00	89.37	137.43	4,367.23	-604.67	2,931.79	2,487.07	2.91	-2.72	1.02
8,259.00	89.92	137.41	4,367.81	-673.88	2,995.39	2,581.01	0.59	0.59	-0.02
8,354.00	90.47	136.47	4,367.48	-743.29	3,060.25	2,675.98	1.15	0.58	-0.99
8,448.00	87.88	135.90	4,368.84	-811.11	3,125.32	2,769.96	2.82	-2.76	-0.61
8,542.00	88.15	134.91	4,372.09	-878.00	3,191.27	2,863.90	1.09	0.29	-1.05
8,636.00	88.08	134.09	4,375.19	-943.85	3,258.28	2,957.83	0.88	-0.07	-0.87
8,731.00	89.06	137.32	4,377.56	-1,011.82	3,324.60	3,052.79	3.55	1.03	3.40
8,825.00	89.37	137.19	4,378.85	-1,080.84	3,388.39	3,146.73	0.36	0.33	-0.14
8,919.00	89.38	136.18	4,379.87	-1,149.23	3,452.87	3,240.71	1.07	0.01	-1.07



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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)	
9,013.00	89.37	134.99	4,380.90	-1,216.37	3,518.65	3,334.70	1.27	-0.01	-1.27	
9,107.00	90.07	133.79	4,381.36	-1,282.12	3,585.82	3,428.68	1.48	0.74	-1.28	
9,202.00	89.93	132.39	4,381.36	-1,347.02	3,655.20	3,523.59	1.48	-0.15	-1.47	
9,296.00	90.38	135.46	4,381.10	-1,412.22	3,722.89	3,617.55	3.30	0.48	3.27	
9,390.00	90.61	134.56	4,380.29	-1,478.70	3,789.34	3,711.54	0.99	0.24	-0.96	
9,484.00	90.45	138.37	4,379.42	-1,546.83	3,854.08	3,805.50	4.06	-0.17	4.05	
9,579.00	91.03	137.60	4,378.19	-1,617.40	3,917.66	3,900.40	1.01	0.61	-0.81	
9,673.00	91.37	136.36	4,376.22	-1,686.11	3,981.77	3,994.35	1.37	0.36	-1.32	
9,768.00	91.54	135.71	4,373.81	-1,754.47	4,047.70	4,089.31	0.71	0.18	-0.68	
9,862.00	91.80	134.74	4,371.07	-1,821.17	4,113.88	4,183.27	1.07	0.28	-1.03	
9,956.00	89.99	136.23	4,369.60	-1,888.18	4,179.77	4,277.25	2.49	-1.93	1.59	
10,050.00	90.21	136.08	4,369.44	-1,955.98	4,244.88	4,371.25	0.28	0.23	-0.16	
10,144.00	90.57	135.92	4,368.80	-2,023.59	4,310.18	4,465.24	0.42	0.38	-0.17	
10,239.00	88.91	136.29	4,369.23	-2,092.05	4,376.04	4,560.23	1.79	-1.75	0.39	
10,332.00	89.28	135.87	4,370.70	-2,159.03	4,440.55	4,653.21	0.60	0.40	-0.45	
10,426.00	89.81	134.98	4,371.45	-2,225.98	4,506.52	4,747.21	1.10	0.56	-0.95	
10,520.00	90.51	135.37	4,371.18	-2,292.65	4,572.78	4,841.21	0.85	0.74	0.41	
10,614.00	91.34	135.26	4,369.67	-2,359.48	4,638.87	4,935.19	0.89	0.88	-0.12	
10,708.00	89.21	136.16	4,369.22	-2,426.76	4,704.51	5,029.18	2.46	-2.27	0.96	
10,803.00	89.68	135.80	4,370.14	-2,495.07	4,770.52	5,124.18	0.62	0.49	-0.38	
10,897.00	90.63	135.36	4,369.88	-2,562.21	4,836.31	5,218.17	1.11	1.01	-0.47	
10,991.00	91.35	134.86	4,368.26	-2,628.79	4,902.64	5,312.16	0.93	0.77	-0.53	
11,086.00	89.12	136.03	4,367.87	-2,696.48	4,969.29	5,407.15	2.65	-2.35	1.23	
11,179.00	89.89	135.55	4,368.67	-2,763.14	5,034.13	5,500.14	0.98	0.83	-0.52	
11,274.00	89.67	133.84	4,369.04	-2,829.95	5,101.66	5,595.13	1.81	-0.23	-1.80	
11,367.00	90.32	132.90	4,369.04	-2,893.81	5,169.26	5,688.07	1.23	0.70	-1.01	
11,462.00	90.56	134.61	4,368.31	-2,959.51	5,237.88	5,783.02	1.82	0.25	1.80	
11,556.00	91.15	134.15	4,366.91	-3,025.25	5,305.05	5,876.99	0.80	0.63	-0.49	
11,650.00	91.13	136.25	4,365.04	-3,091.93	5,371.27	5,970.96	2.23	-0.02	2.23	
11,744.00	91.60	135.71	4,362.80	-3,159.50	5,436.57	6,064.93	0.76	0.50	-0.57	
11,838.00	89.25	136.59	4,362.10	-3,227.29	5,501.69	6,158.92	2.67	-2.50	0.94	
11,932.00	89.93	136.19	4,362.78	-3,295.34	5,566.52	6,252.90	0.84	0.72	-0.43	
12,026.00	90.15	135.26	4,362.71	-3,362.65	5,632.14	6,346.90	1.02	0.23	-0.99	
12,121.00	89.25	137.02	4,363.21	-3,431.14	5,697.96	6,441.89	2.08	-0.95	1.85	
12,214.00	89.77	136.44	4,364.00	-3,498.85	5,761.71	6,534.86	0.84	0.56	-0.62	
12,309.00	89.97	135.53	4,364.22	-3,567.17	5,827.72	6,629.85	0.98	0.21	-0.96	
12,403.00	90.11	134.60	4,364.15	-3,633.72	5,894.11	6,723.85	1.00	0.15	-0.99	
12,497.00	91.46	137.10	4,362.87	-3,701.15	5,959.57	6,817.83	3.02	1.44	2.66	
12,591.00	92.31	136.50	4,359.77	-3,769.63	6,023.88	6,911.75	1.11	0.90	-0.64	
12,686.00	91.05	136.36	4,356.99	-3,838.43	6,089.33	7,006.70	1.33	-1.33	-0.15	
12,780.00	90.56	136.43	4,355.67	-3,906.49	6,154.15	7,100.67	0.53	-0.52	0.07	
12,874.00	90.97	135.50	4,354.41	-3,974.06	6,219.49	7,194.66	1.08	0.44	-0.99	
12,968.00	91.33	135.04	4,352.53	-4,040.83	6,285.63	7,288.64	0.62	0.38	-0.49	
13,062.00	89.15	135.15	4,352.13	-4,107.41	6,351.98	7,382.63	2.32	-2.32	0.12	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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)
13,156.00	89.37	134.34	4,353.35	-4,173.57	6,418.74	7,476.62	0.89	0.23	-0.86
13,251.00	89.97	133.61	4,353.89	-4,239.53	6,487.10	7,571.58	0.99	0.63	-0.77
13,345.00	89.75	136.65	4,354.12	-4,306.14	6,553.41	7,665.57	3.24	-0.23	3.23
13,439.00	91.38	137.14	4,353.20	-4,374.77	6,617.64	7,759.53	1.81	1.73	0.52
13,533.00	92.64	136.60	4,349.90	-4,443.32	6,681.86	7,853.44	1.46	1.34	-0.57
13,628.00	90.69	137.08	4,347.14	-4,512.59	6,746.81	7,948.37	2.11	-2.05	0.51
13,723.00	91.84	136.58	4,345.04	-4,581.86	6,811.79	8,043.32	1.32	1.21	-0.53
13,817.00	92.82	135.87	4,341.22	-4,649.67	6,876.77	8,137.23	1.29	1.04	-0.76
13,911.00	93.67	135.49	4,335.90	-4,716.82	6,942.34	8,231.08	0.99	0.90	-0.40
13,956.30	94.04	135.18	4,332.85	-4,748.96	6,974.11	8,276.28	1.07	0.83	-0.67
LTP @ 13956.30 MD 4332.85 TVD									
13,988.00	94.31	134.97	4,330.55	-4,771.35	6,996.43	8,307.89	1.07	0.83	-0.67
330 ppd @ 13988.00 MD 4330.54 TVD									
14,003.00	94.43	134.87	4,329.40	-4,781.91	7,007.02	8,322.85	1.07	0.83	-0.67
Survey @ 14003.00 MD 4329.40 TVD									
14,067.00	94.43	134.87	4,324.46	-4,826.93	7,052.24	8,386.65	0.00	0.00	0.00
Survey proj. to 14067 MD 4324.46 TVD 1810 FSL 177 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
450.00	450.00	0.57	-0.08	MWD surveys
3,029.00	2,671.96	1,197.80	149.37	9 5/8" Casing shoe @ 3029.00 MD 2671.96 TVD
5,090.79	4,318.60	1,584.58	782.05	FTP @ 5090.79 MD 4318.60 TVD
13,956.30	4,332.85	-4,748.96	6,974.11	LTP @ 13956.30 MD 4332.85 TVD
13,988.00	4,330.55	-4,771.35	6,996.43	330 ppd @ 13988.00 MD 4330.54 TVD
14,003.00	4,329.40	-4,781.91	7,007.02	Survey @ 14003.00 MD 4329.40 TVD
14,067.00	4,324.46	-4,826.93	7,052.24	Survey proj. to 14067 MD 4324.46 TVD 1810 FSL 177 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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. 057H, Surf loc: 1354 FSL 1990 FEL Section 23-T23N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,895,341.59 usft	Latitude:	36.20888700
	+E/-W	0.00 ft	Easting:	2,745,902.47 usft	Longitude:	-107.75601000
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	10/12/2023	8.56	62.68	49,058.25632897

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	1/30/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8.00	2,914.00	MWD int (Original Hole)	MWD	OWSG MWD - Standard	
2,973.00	14,003.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
14,067.00	14,067.00	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	1,895,341.59	2,745,902.47	36.20888700	-107.75601000	
8.00	0.00	0.00	8.00	0.00	0.00	1,895,341.59	2,745,902.47	36.20888700	-107.75601000	
450.00	0.15	352.03	450.00	0.57	-0.08	1,895,342.16	2,745,902.39	36.20888857	-107.75601028	
MWD surveys										
480.00	0.09	233.89	480.00	0.60	-0.10	1,895,342.18	2,745,902.36	36.20888864	-107.75601036	
539.00	0.76	353.21	539.00	0.96	-0.19	1,895,342.55	2,745,902.28	36.20888964	-107.75601064	
599.00	2.95	357.83	598.96	2.90	-0.29	1,895,344.48	2,745,902.17	36.20889496	-107.75601099	
659.00	5.47	356.35	658.80	7.29	-0.53	1,895,348.88	2,745,901.93	36.20890704	-107.75601180	
720.00	8.12	0.72	719.36	14.51	-0.67	1,895,356.09	2,745,901.80	36.20892685	-107.75601222	
780.00	10.47	1.01	778.57	24.19	-0.52	1,895,365.78	2,745,901.95	36.20895347	-107.75601169	



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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
840.00	12.64	5.01	837.35	36.19	0.15	1,895,377.77	2,745,902.62	36.20898641	-107.75600939
899.00	14.96	5.00	894.65	50.21	1.38	1,895,391.79	2,745,903.85	36.20902492	-107.75600519
959.00	17.44	4.77	952.26	66.88	2.80	1,895,408.47	2,745,905.27	36.20907073	-107.75600032
1,021.00	20.06	4.13	1,010.96	86.75	4.34	1,895,428.34	2,745,906.81	36.20912530	-107.75599505
1,084.00	22.65	5.58	1,069.63	109.60	6.30	1,895,451.19	2,745,908.77	36.20918808	-107.75598835
1,147.00	25.10	6.09	1,127.24	134.97	8.90	1,895,476.56	2,745,911.37	36.20925775	-107.75597948
1,210.00	28.21	6.29	1,183.54	163.06	11.95	1,895,504.65	2,745,914.42	36.20933492	-107.75596906
1,274.00	30.99	7.07	1,239.18	194.46	15.63	1,895,536.04	2,745,918.10	36.20942115	-107.75595648
1,337.00	32.87	8.58	1,292.64	227.46	20.18	1,895,569.05	2,745,922.65	36.20951181	-107.75594098
1,400.00	33.60	8.45	1,345.34	261.61	25.29	1,895,603.19	2,745,927.76	36.20960560	-107.75592356
1,463.00	33.22	6.91	1,397.93	295.98	29.93	1,895,637.57	2,745,932.40	36.20970003	-107.75590774
1,526.00	33.31	6.64	1,450.61	330.30	34.01	1,895,671.88	2,745,936.48	36.20979428	-107.75589383
1,589.00	33.85	6.23	1,503.09	364.92	37.91	1,895,706.51	2,745,940.38	36.20988940	-107.75588050
1,652.00	34.97	6.35	1,555.07	400.31	41.81	1,895,741.90	2,745,944.28	36.20998660	-107.75586718
1,715.00	35.56	6.55	1,606.51	436.45	45.90	1,895,778.04	2,745,948.37	36.21008588	-107.75585323
1,778.00	35.36	7.36	1,657.82	472.73	50.32	1,895,814.32	2,745,952.79	36.21018553	-107.75583814
1,841.00	34.25	8.33	1,709.55	508.35	55.23	1,895,849.94	2,745,957.70	36.21028338	-107.75582142
1,905.00	34.44	8.59	1,762.39	544.07	60.54	1,895,885.65	2,745,963.01	36.21038147	-107.75580331
1,968.00	34.65	9.03	1,814.28	579.37	66.01	1,895,920.96	2,745,968.48	36.21047844	-107.75578467
2,031.00	34.15	7.75	1,866.27	614.58	71.21	1,895,956.17	2,745,973.68	36.21057515	-107.75576696
2,094.00	33.30	7.53	1,918.66	649.25	75.86	1,895,990.83	2,745,978.33	36.21067038	-107.75575110
2,157.00	34.08	7.81	1,971.08	683.88	80.52	1,896,025.47	2,745,982.99	36.21076551	-107.75573519
2,220.00	34.65	8.03	2,023.09	719.10	85.42	1,896,060.69	2,745,987.89	36.21086225	-107.75571849
2,283.00	34.84	7.88	2,074.85	754.66	90.39	1,896,096.25	2,745,992.86	36.21095993	-107.75570155
2,346.00	35.53	8.00	2,126.34	790.62	95.41	1,896,132.20	2,745,997.88	36.21105868	-107.75568445
2,409.00	35.85	7.34	2,177.51	827.04	100.31	1,896,168.63	2,746,002.78	36.21115874	-107.75566772
2,472.00	36.25	7.40	2,228.45	863.81	105.07	1,896,205.39	2,746,007.54	36.21125973	-107.75565150
2,535.00	37.39	7.87	2,278.88	901.23	110.09	1,896,242.81	2,746,012.56	36.21136252	-107.75563439
2,598.00	37.88	8.11	2,328.77	939.33	115.43	1,896,280.91	2,746,017.90	36.21146716	-107.75561616
2,661.00	36.38	7.75	2,379.00	976.99	120.68	1,896,318.57	2,746,023.15	36.21157061	-107.75559826
2,724.00	36.52	7.31	2,429.67	1,014.10	125.59	1,896,355.68	2,746,028.06	36.21167254	-107.75558154
2,788.00	36.73	7.32	2,481.03	1,051.97	130.45	1,896,393.55	2,746,032.92	36.21177656	-107.75556495
2,851.00	37.22	7.24	2,531.36	1,089.55	135.25	1,896,431.14	2,746,037.72	36.21187980	-107.75554858
2,914.00	37.90	7.56	2,581.31	1,127.64	140.20	1,896,469.22	2,746,042.67	36.21198441	-107.75553170
2,973.00	38.07	7.47	2,627.81	1,163.64	144.95	1,896,505.22	2,746,047.42	36.21208330	-107.75551551
3,029.00	37.86	7.28	2,671.96	1,197.80	149.37	1,896,539.39	2,746,051.84	36.21217714	-107.75550042
9 5/8" Casing shoe @ 3029.00 MD 2671.96 TVD									
3,071.00	37.70	7.14	2,705.15	1,223.33	152.60	1,896,564.91	2,746,055.07	36.21224726	-107.75548940
3,166.00	34.32	12.10	2,782.01	1,278.36	161.83	1,896,619.95	2,746,064.30	36.21239842	-107.75545797
3,260.00	30.83	15.80	2,861.21	1,327.47	173.95	1,896,669.06	2,746,076.41	36.21253330	-107.75541675
3,355.00	31.01	14.19	2,942.72	1,374.62	186.57	1,896,716.20	2,746,089.04	36.21266280	-107.75537382
3,449.00	30.81	12.35	3,023.37	1,421.61	197.66	1,896,763.20	2,746,100.13	36.21279186	-107.75533611
3,544.00	30.43	16.95	3,105.13	1,468.40	209.88	1,896,809.98	2,746,112.35	36.21292036	-107.75529456
3,638.00	30.62	15.89	3,186.10	1,514.19	223.37	1,896,855.78	2,746,125.84	36.21304614	-107.75524869
3,733.00	30.28	14.75	3,268.00	1,560.63	236.09	1,896,902.21	2,746,138.56	36.21317366	-107.75520544
3,827.00	30.07	16.48	3,349.27	1,606.13	248.81	1,896,947.71	2,746,151.28	36.21329863	-107.75516221
3,921.00	30.17	19.46	3,430.58	1,650.98	263.36	1,896,992.57	2,746,165.83	36.21342182	-107.75511277
4,015.00	28.78	18.40	3,512.41	1,694.73	278.37	1,897,036.31	2,746,180.84	36.21354195	-107.75506175
4,078.00	28.19	16.83	3,567.78	1,723.36	287.47	1,897,064.94	2,746,189.94	36.21362059	-107.75503084
4,109.00	28.43	16.58	3,595.08	1,737.44	291.69	1,897,079.03	2,746,194.16	36.21365927	-107.75501648
4,140.00	28.59	20.37	3,622.32	1,751.47	296.38	1,897,093.05	2,746,198.85	36.21369779	-107.75500055
4,172.00	28.62	25.89	3,650.42	1,765.54	302.39	1,897,107.13	2,746,204.86	36.21373644	-107.75498013
4,203.00	28.70	32.37	3,677.63	1,778.51	309.62	1,897,120.10	2,746,212.09	36.21377205	-107.75495559
4,235.00	27.64	39.03	3,705.84	1,790.77	318.41	1,897,132.36	2,746,220.88	36.21380571	-107.75492575
4,266.00	26.58	47.17	3,733.45	1,801.08	328.03	1,897,142.66	2,746,230.50	36.21383400	-107.75489312



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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
4,297.00	25.72	54.28	3,761.28	1,809.72	338.58	1,897,151.31	2,746,241.05	36.21385772	-107.75485733
4,329.00	25.94	60.15	3,790.09	1,817.26	350.29	1,897,158.84	2,746,252.76	36.21387840	-107.75481762
4,360.00	27.03	66.71	3,817.84	1,823.42	362.64	1,897,165.01	2,746,265.11	36.21389530	-107.75477572
4,392.00	28.46	73.25	3,846.17	1,828.50	376.63	1,897,170.08	2,746,279.10	36.21390921	-107.75472830
4,423.00	29.34	79.86	3,873.31	1,831.96	391.18	1,897,173.55	2,746,293.65	36.21391870	-107.75467896
4,454.00	30.54	85.95	3,900.18	1,833.86	406.52	1,897,175.44	2,746,308.99	36.21392387	-107.75462696
4,486.00	32.35	90.85	3,927.49	1,834.30	423.19	1,897,175.89	2,746,325.66	36.21392506	-107.75457043
4,517.00	34.07	95.16	3,953.43	1,833.40	440.14	1,897,174.98	2,746,342.61	36.21392254	-107.75451299
4,549.00	35.55	100.08	3,979.70	1,830.96	458.23	1,897,172.55	2,746,360.70	36.21391581	-107.75445167
4,580.00	36.74	105.36	4,004.74	1,826.93	476.05	1,897,168.51	2,746,378.52	36.21390469	-107.75439128
4,621.00	38.17	110.38	4,037.30	1,819.27	499.76	1,897,160.85	2,746,402.22	36.21388359	-107.75431093
4,643.00	39.71	114.43	4,054.41	1,813.99	512.53	1,897,155.58	2,746,415.00	36.21386907	-107.75426764
4,675.00	41.04	118.16	4,078.79	1,804.81	531.10	1,897,146.39	2,746,433.57	36.21384379	-107.75420471
4,706.00	42.46	122.57	4,101.92	1,794.37	548.90	1,897,135.95	2,746,451.36	36.21381507	-107.75414441
4,738.00	44.48	126.69	4,125.15	1,781.85	566.99	1,897,123.43	2,746,469.46	36.21378065	-107.75408309
4,770.00	46.13	130.73	4,147.66	1,767.62	584.73	1,897,109.20	2,746,487.20	36.21374152	-107.75402301
4,801.00	48.71	132.24	4,168.64	1,752.50	601.82	1,897,094.08	2,746,504.29	36.21369994	-107.75396511
4,832.00	51.40	132.28	4,188.54	1,736.52	619.41	1,897,078.10	2,746,521.88	36.21365599	-107.75390553
4,864.00	54.45	132.38	4,207.83	1,719.33	638.28	1,897,060.91	2,746,540.75	36.21360873	-107.75384160
4,895.00	56.61	132.57	4,225.37	1,702.07	657.13	1,897,043.65	2,746,559.60	36.21356128	-107.75377775
4,927.00	56.24	132.35	4,243.07	1,684.07	676.80	1,897,025.65	2,746,579.27	36.21351179	-107.75371113
4,958.00	57.50	132.57	4,260.01	1,666.55	695.95	1,897,008.13	2,746,598.42	36.21346360	-107.75364625
4,990.00	60.54	132.87	4,276.48	1,647.93	716.11	1,896,989.52	2,746,618.57	36.21341243	-107.75357799
5,021.00	63.77	133.43	4,290.96	1,629.19	736.10	1,896,970.77	2,746,638.57	36.21336089	-107.75351026
5,053.00	66.20	134.31	4,304.49	1,609.09	757.00	1,896,950.68	2,746,659.47	36.21330564	-107.75343946
5,084.00	69.28	134.42	4,316.23	1,589.03	777.51	1,896,930.62	2,746,679.98	36.21325049	-107.75337000
5,090.79	69.84	134.51	4,318.60	1,584.58	782.05	1,896,926.16	2,746,684.52	36.21323823	-107.75335462
FTP @ 5090.79 MD 4318.60 TVD									
5,116.00	71.94	134.85	4,326.85	1,567.83	798.99	1,896,909.41	2,746,701.45	36.21319218	-107.75329725
5,147.00	74.45	134.94	4,335.81	1,546.88	820.01	1,896,888.47	2,746,722.47	36.21313460	-107.75322605
5,179.00	76.89	134.73	4,343.73	1,525.03	841.99	1,896,866.61	2,746,744.46	36.21307450	-107.75315158
5,210.00	79.15	134.79	4,350.17	1,503.67	863.52	1,896,845.26	2,746,765.99	36.21301580	-107.75307865
5,242.00	81.30	135.09	4,355.60	1,481.40	885.84	1,896,822.98	2,746,788.31	36.21295456	-107.75300305
5,273.00	84.03	134.98	4,359.56	1,459.65	907.57	1,896,801.23	2,746,810.04	36.21289476	-107.75292946
5,336.00	88.27	135.31	4,363.79	1,415.10	951.89	1,896,756.68	2,746,854.36	36.21277227	-107.75277933
5,431.00	89.04	133.80	4,366.02	1,348.47	1,019.57	1,896,690.05	2,746,922.03	36.21258908	-107.75255011
5,525.00	89.41	133.03	4,367.29	1,283.87	1,087.84	1,896,625.45	2,746,990.31	36.21241147	-107.75231885
5,620.00	89.43	134.99	4,368.25	1,217.87	1,156.16	1,896,559.46	2,747,058.63	36.21223001	-107.75208744
5,714.00	90.54	135.10	4,368.28	1,151.35	1,222.57	1,896,492.94	2,747,125.04	36.21204712	-107.75186249
5,809.00	88.84	135.85	4,368.79	1,083.63	1,289.19	1,896,425.21	2,747,191.65	36.21186092	-107.75163688
5,904.00	89.04	135.37	4,370.55	1,015.75	1,355.63	1,896,357.34	2,747,258.10	36.21167431	-107.75141183
5,998.00	88.27	137.08	4,372.75	947.90	1,420.64	1,896,289.49	2,747,323.11	36.21148776	-107.75119165
6,092.00	88.59	136.21	4,375.33	879.58	1,485.15	1,896,221.16	2,747,387.62	36.21129992	-107.75097317
6,186.00	88.67	135.59	4,377.58	812.09	1,550.55	1,896,153.68	2,747,453.01	36.21111438	-107.75075168
6,281.00	89.18	135.21	4,379.36	744.46	1,617.24	1,896,086.05	2,747,519.71	36.21092844	-107.75052580
6,375.00	89.28	134.81	4,380.62	677.99	1,683.69	1,896,019.58	2,747,586.16	36.21074568	-107.75030074
6,469.00	90.54	135.96	4,380.77	611.08	1,749.71	1,895,952.67	2,747,652.17	36.21056171	-107.75007714
6,563.00	90.21	134.83	4,380.15	544.16	1,815.71	1,895,885.74	2,747,718.18	36.21037772	-107.74985359
6,657.00	90.82	134.80	4,379.31	477.91	1,882.39	1,895,819.49	2,747,784.86	36.21019556	-107.74962775
6,751.00	90.74	134.49	4,378.03	411.86	1,949.26	1,895,753.44	2,747,851.73	36.21001396	-107.74940126
6,845.00	90.34	133.87	4,377.14	346.35	2,016.67	1,895,687.94	2,747,919.14	36.20983385	-107.74917295
6,940.00	90.29	137.21	4,376.62	278.56	2,083.20	1,895,620.14	2,747,985.67	36.20964745	-107.74894763
7,034.00	90.27	136.61	4,376.16	209.91	2,147.42	1,895,551.50	2,748,049.88	36.20945872	-107.74873016
7,128.00	90.39	135.96	4,375.62	141.97	2,212.38	1,895,483.56	2,748,114.84	36.20927193	-107.74851016
7,223.00	90.48	135.25	4,374.90	74.09	2,278.84	1,895,415.68	2,748,181.30	36.20908530	-107.74828508



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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
7,317.00	89.92	137.18	4,374.57	6.23	2,343.88	1,895,347.82	2,748,246.34	36.20889873	-107.74806481
7,412.00	90.33	135.62	4,374.36	-62.56	2,409.39	1,895,279.03	2,748,311.85	36.20870959	-107.74784295
7,506.00	90.36	134.38	4,373.80	-129.02	2,475.85	1,895,212.56	2,748,378.32	36.20852684	-107.74761785
7,600.00	89.92	136.44	4,373.57	-195.96	2,541.84	1,895,145.62	2,748,444.30	36.20834280	-107.74739437
7,695.00	90.21	135.59	4,373.46	-264.32	2,607.81	1,895,077.27	2,748,510.28	36.20815486	-107.74717094
7,788.00	90.88	134.84	4,372.58	-330.32	2,673.32	1,895,011.27	2,748,575.79	36.20797338	-107.74694908
7,882.00	90.07	137.37	4,371.80	-398.05	2,738.49	1,894,943.54	2,748,640.95	36.20778717	-107.74672839
7,977.00	91.13	136.85	4,370.80	-467.65	2,803.14	1,894,873.94	2,748,705.60	36.20759582	-107.74650945
8,071.00	91.93	136.47	4,368.29	-535.99	2,867.63	1,894,805.60	2,748,770.09	36.20740792	-107.74629106
8,165.00	89.37	137.43	4,367.23	-604.67	2,931.79	1,894,736.92	2,748,834.25	36.20721909	-107.74607379
8,259.00	89.92	137.41	4,367.81	-673.88	2,995.39	1,894,667.71	2,748,897.85	36.20702880	-107.74585842
8,354.00	90.47	136.47	4,367.48	-743.29	3,060.25	1,894,598.30	2,748,962.71	36.20683796	-107.74563877
8,448.00	87.88	135.90	4,368.84	-811.11	3,125.32	1,894,530.48	2,749,027.78	36.20665150	-107.74541843
8,542.00	88.15	134.91	4,372.09	-878.00	3,191.27	1,894,463.59	2,749,093.74	36.20646757	-107.74519506
8,636.00	88.08	134.09	4,375.19	-943.85	3,258.28	1,894,397.74	2,749,160.74	36.20628651	-107.74496813
8,731.00	89.06	137.32	4,377.56	-1,011.82	3,324.60	1,894,329.77	2,749,227.06	36.20609964	-107.74474356
8,825.00	89.37	137.19	4,378.85	-1,080.84	3,388.39	1,894,260.75	2,749,290.85	36.20590986	-107.74452753
8,919.00	89.38	136.18	4,379.87	-1,149.23	3,452.87	1,894,192.36	2,749,355.33	36.20572182	-107.74430918
9,013.00	89.37	134.99	4,380.90	-1,216.37	3,518.65	1,894,125.22	2,749,421.11	36.20553722	-107.74408642
9,107.00	90.07	133.79	4,381.36	-1,282.12	3,585.82	1,894,059.47	2,749,488.28	36.20535642	-107.74385895
9,202.00	89.93	132.39	4,381.36	-1,347.02	3,655.20	1,893,994.57	2,749,557.66	36.20517797	-107.74362400
9,296.00	90.38	135.46	4,381.10	-1,412.22	3,722.89	1,893,929.37	2,749,625.35	36.20499868	-107.74339474
9,390.00	90.61	134.56	4,380.29	-1,478.70	3,789.34	1,893,862.89	2,749,691.81	36.20481589	-107.74316970
9,484.00	90.45	138.37	4,379.42	-1,546.83	3,854.08	1,893,794.76	2,749,756.54	36.20462857	-107.74295050
9,579.00	91.03	137.60	4,378.19	-1,617.40	3,917.66	1,893,724.19	2,749,820.12	36.20443453	-107.74273522
9,673.00	91.37	136.36	4,376.22	-1,686.11	3,981.77	1,893,655.48	2,749,884.23	36.20424562	-107.74251811
9,768.00	91.54	135.71	4,373.81	-1,754.47	4,047.70	1,893,587.12	2,749,950.16	36.20405767	-107.74229486
9,862.00	91.80	134.74	4,371.07	-1,821.17	4,113.88	1,893,520.42	2,750,016.34	36.20387427	-107.74207076
9,956.00	89.99	136.23	4,369.60	-1,888.18	4,179.77	1,893,453.41	2,750,082.23	36.20369000	-107.74184763
10,050.00	90.21	136.08	4,369.44	-1,955.98	4,244.88	1,893,385.61	2,750,147.34	36.20350359	-107.74162714
10,144.00	90.57	135.92	4,368.80	-2,023.59	4,310.18	1,893,318.00	2,750,212.64	36.20331768	-107.74140604
10,239.00	88.91	136.29	4,369.23	-2,092.05	4,376.04	1,893,249.54	2,750,278.50	36.20312945	-107.74118301
10,332.00	89.28	135.87	4,370.70	-2,159.03	4,440.55	1,893,182.56	2,750,343.01	36.20294528	-107.74096460
10,426.00	89.81	134.98	4,371.45	-2,225.98	4,506.52	1,893,115.61	2,750,408.98	36.20276118	-107.74074121
10,520.00	90.51	135.37	4,371.18	-2,292.65	4,572.78	1,893,048.94	2,750,475.24	36.20257785	-107.74051682
10,614.00	91.34	135.26	4,369.67	-2,359.48	4,638.87	1,892,982.11	2,750,541.33	36.20239411	-107.74029302
10,708.00	89.21	136.16	4,369.22	-2,426.76	4,704.51	1,892,914.83	2,750,606.97	36.20220911	-107.74007078
10,803.00	89.68	135.80	4,370.14	-2,495.07	4,770.52	1,892,846.52	2,750,672.98	36.20202128	-107.73984725
10,897.00	90.63	135.36	4,369.88	-2,562.21	4,836.31	1,892,779.39	2,750,738.77	36.20183667	-107.73962448
10,991.00	91.35	134.86	4,368.26	-2,628.79	4,902.64	1,892,712.80	2,750,805.10	36.20165358	-107.73939987
11,086.00	89.12	136.03	4,367.87	-2,696.48	4,969.29	1,892,645.11	2,750,871.74	36.20146746	-107.73917420
11,179.00	89.89	135.55	4,368.67	-2,763.14	5,034.13	1,892,578.46	2,750,936.59	36.20128417	-107.73895464
11,274.00	89.67	133.84	4,369.04	-2,829.95	5,101.66	1,892,511.64	2,751,004.12	36.20110044	-107.73872597
11,367.00	90.32	132.90	4,369.04	-2,893.81	5,169.26	1,892,447.78	2,751,071.72	36.20092483	-107.73849705
11,462.00	90.56	134.61	4,368.31	-2,959.51	5,237.88	1,892,382.08	2,751,140.34	36.20074417	-107.73826470
11,556.00	91.15	134.15	4,366.91	-3,025.25	5,305.05	1,892,316.35	2,751,207.51	36.20056340	-107.73803724
11,650.00	91.13	136.25	4,365.04	-3,091.93	5,371.27	1,892,249.66	2,751,273.73	36.20038004	-107.73781302
11,744.00	91.60	135.71	4,362.80	-3,159.50	5,436.57	1,892,182.09	2,751,339.03	36.20019423	-107.73759191
11,838.00	89.25	136.59	4,362.10	-3,227.29	5,501.69	1,892,114.31	2,751,404.14	36.20000785	-107.73737144
11,932.00	89.93	136.19	4,362.78	-3,295.34	5,566.52	1,892,046.25	2,751,468.98	36.19982071	-107.73715192
12,026.00	90.15	135.26	4,362.71	-3,362.65	5,632.14	1,891,978.95	2,751,534.60	36.19963564	-107.73692974
12,121.00	89.25	137.02	4,363.21	-3,431.14	5,697.96	1,891,910.45	2,751,600.42	36.19944730	-107.73670688
12,214.00	89.77	136.44	4,364.00	-3,498.85	5,761.71	1,891,842.74	2,751,664.16	36.19926111	-107.73649106
12,309.00	89.97	135.53	4,364.22	-3,567.17	5,827.72	1,891,774.42	2,751,730.17	36.19907325	-107.73626756
12,403.00	90.11	134.60	4,364.15	-3,633.72	5,894.11	1,891,707.88	2,751,796.56	36.19889027	-107.73604276



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Greater Lybrook Unit No. 057H
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. 057H	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
12,497.00	91.46	137.10	4,362.87	-3,701.15	5,959.57	1,891,640.44	2,751,862.03	36.19870485	-107.73582112
12,591.00	92.31	136.50	4,359.77	-3,769.63	6,023.88	1,891,571.96	2,751,926.34	36.19851653	-107.73560338
12,686.00	91.05	136.36	4,356.99	-3,838.43	6,089.33	1,891,503.16	2,751,991.79	36.19832735	-107.73538179
12,780.00	90.56	136.43	4,355.67	-3,906.49	6,154.15	1,891,435.10	2,752,056.61	36.19814021	-107.73516232
12,874.00	90.97	135.50	4,354.41	-3,974.06	6,219.49	1,891,367.53	2,752,121.94	36.19795440	-107.73494112
12,968.00	91.33	135.04	4,352.53	-4,040.83	6,285.63	1,891,300.76	2,752,188.08	36.19777080	-107.73471718
13,062.00	89.15	135.15	4,352.13	-4,107.41	6,351.98	1,891,234.19	2,752,254.44	36.19758773	-107.73449252
13,156.00	89.37	134.34	4,353.35	-4,173.57	6,418.74	1,891,168.02	2,752,321.19	36.19740578	-107.73426649
13,251.00	89.97	133.61	4,353.89	-4,239.53	6,487.10	1,891,102.06	2,752,389.56	36.19722439	-107.73403502
13,345.00	89.75	136.65	4,354.12	-4,306.14	6,553.41	1,891,035.45	2,752,455.86	36.19704122	-107.73381051
13,439.00	91.38	137.14	4,353.20	-4,374.77	6,617.64	1,890,966.83	2,752,520.09	36.19685252	-107.73359307
13,533.00	92.64	136.60	4,349.90	-4,443.32	6,681.86	1,890,898.27	2,752,584.32	36.19666400	-107.73337564
13,628.00	90.69	137.08	4,347.14	-4,512.59	6,746.81	1,890,829.01	2,752,649.27	36.19647354	-107.73315574
13,723.00	91.84	136.58	4,345.04	-4,581.86	6,811.79	1,890,759.74	2,752,714.25	36.19628307	-107.73293576
13,817.00	92.82	135.87	4,341.22	-4,649.67	6,876.77	1,890,691.92	2,752,779.22	36.19609659	-107.73271578
13,911.00	93.67	135.49	4,335.90	-4,716.82	6,942.34	1,890,624.78	2,752,844.79	36.19591195	-107.73249379
13,956.30	94.04	135.18	4,332.85	-4,748.96	6,974.11	1,890,592.63	2,752,876.56	36.19582355	-107.73238623
LTP @ 13956.30 MD 4332.85 TVD									
13,988.00	94.31	134.97	4,330.55	-4,771.35	6,996.43	1,890,570.25	2,752,898.89	36.19576199	-107.73231064
330 ppd @ 13988.00 MD 4330.54 TVD									
14,003.00	94.43	134.87	4,329.40	-4,781.91	7,007.02	1,890,559.69	2,752,909.48	36.19573295	-107.73227478
Survey @ 14003.00 MD 4329.40 TVD									
14,067.00	94.43	134.87	4,324.46	-4,826.93	7,052.24	1,890,514.67	2,752,954.70	36.19560915	-107.73212168
Survey proj. to 14067 MD 4324.46 TVD 1810 FSL 177 FEL									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
450.00	450.00	0.57	-0.08	MWD surveys
3,029.00	2,671.96	1,197.80	149.37	9 5/8" Casing shoe @ 3029.00 MD 2671.96 TVD
5,090.79	4,318.60	1,584.58	782.05	FTP @ 5090.79 MD 4318.60 TVD
13,956.30	4,332.85	-4,748.96	6,974.11	LTP @ 13956.30 MD 4332.85 TVD
13,988.00	4,330.55	-4,771.35	6,996.43	330 ppd @ 13988.00 MD 4330.54 TVD
14,003.00	4,329.40	-4,781.91	7,007.02	Survey @ 14003.00 MD 4329.40 TVD
14,067.00	4,324.46	-4,826.93	7,052.24	Survey proj. to 14067 MD 4324.46 TVD 1810 FSL 177 FEL

WELL NAME: GREATER LYBROOK UNIT 057H

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

API Number: 30-045-38311

AFE Number: DV03073

ER Well Number: NM08268.01

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 1,354 ft FSL 1,990 ft FEL

BH Location: 25-23N-09W Sec-Twn- Rng 1898 ft FSL 236 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)	3,021 ft
KOP (MD)	4,150 ft
KOP (TVD)	3,641 ft
Target (TVD)	4,384 ft
Curve BUR	10 °/100 ft
POE (MD)	5,307 ft
TD (MD)	14,067 ft
Lat Len (ft)	8,707 ft

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	417	417
Kirtland	520	520
Fruitland	720	721
Pictured Cliffs	1,100	1,119
Lewis	1,222	1,257
Chacra	1,491	1,577
Cliff House	2,548	2,841
Menefee	2,573	2,871
Point Lookout	3,530	4,016
Mancos	3,675	4,189
Gallup (MNCS_A)	4,035	4,594
MNCS_B	4,146	4,732
MNCS_C	4,236	4,882
MNCS_Cms	4,276	4,956
FTP TARGET	4,384	5,307
PROJECTED TD	4,352	14,014

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	3,021	9.625	36.0	J-55	LTC	0	3,021
Production	8.500	14,056	5.500	17.0	P-110	LTC	0	14,056

CEMENT PROPERTIES SUMMARY:

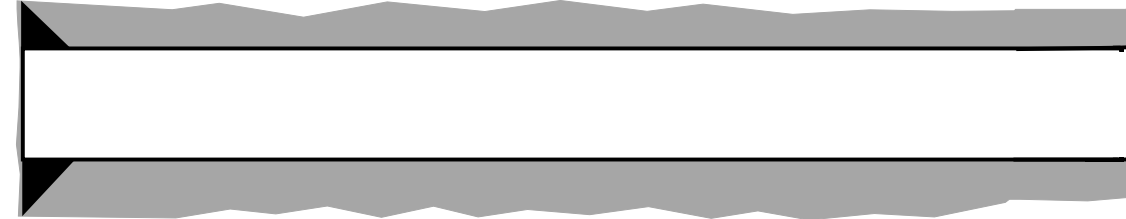
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.39	6.686	0.6946	100%	0	352
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	591
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,493	135
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	600
Prod. (Tail)	Class G	13.3	1.570	7.7	0.13052916	0%	4,594	1,520

COMPLETION / PRODUCTION SUMMARY:

Frac: 36 plug-and-perf stages with 140,000 bbls slickwater fluid and 11,300,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

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



This document will be submitted with the completion package after the well has been completed.

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

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

ACKNOWLEDGMENTS

Action 318678

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 318678
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 318678

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 318678
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 6/20/2024.	6/26/2024