

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. **NOG13121857**

6. If Indian, Allottee or Tribe Name
NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. Greater Lybrook/NMNM144419X
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. GREATER LYBROOK UNIT/054H
2. Name of Operator ENDURING RESOURCES LLC		9. API Well No. 3004538308
3a. Address 200 ENERGY COURT, FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 497-8574	10. Field and Pool or Exploratory Area BASIN MANCOS/LYBROOK MANCOS W
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 23/T23N/R9W/NMP		11. Country or Parish, State SAN JUAN/NM

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

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

Enduring Resources performed a drillout and initial gas-lift installation on the subject well. An updated wellbore schematic is attached.

EOT: 5120 MD
GLVs: 1367, 1893, 2455, 3013, 3539, 4068, 4526
Job Start: 3.30.2024
Job End: 4.4.2024

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 04/22/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted	Title Petroleum Engineer	Date 04/22/2024
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)

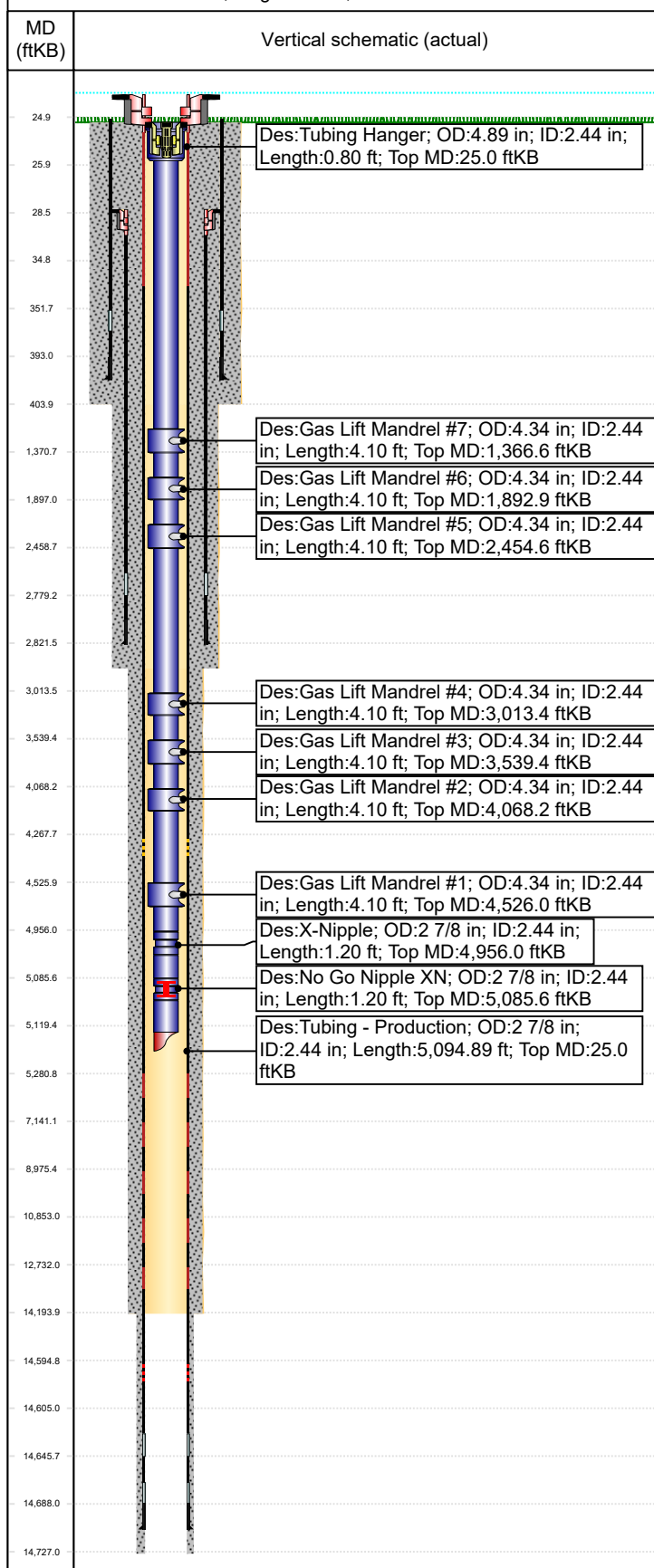


Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 054H (EKA WLU 775H) NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38308	Surface Legal Location Sec 23 - TWN 23N - RNG 09W	Field Name	License #	State/Province NM	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 8/27/2023 08:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,707.3

Horizontal, Original Hole, 4/9/2024 10:35:28 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	25.0	25.0	404.0	404.0
Intermediate	12 1/4	404.0	404.0	2,830.0	2,692.1
Production	8 1/2	2,830.0	2,692.1	14,194.0	4,707.3

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Item Des	Jts	OD (in)	Len (ft)
			Top (ftKB)
			Btm (ftKB)

Tubing - Production set at 5,119.9ftKB on 4/3/2024 07:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		4/3/2024		5,094.89			5,119.9	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	L-80	6.50	4.89	2.44	0.80	25.0	25.8
Tubing	41	L-80	6.50	2 7/8	2.44	1,340.79	25.8	1,366.6
Gas Lift Mandrel #7	1	L-80	6.50	4.335	2.44	4.10	1,366.6	1,370.7
Tubing	16	L-80	6.50	2 7/8	2.44	522.25	1,370.7	1,893.0
Gas Lift Mandrel #6	1	L-80	6.50	4.335	2.44	4.10	1,893.0	1,897.1
Tubing	17	L-80	6.50	2 7/8	2.44	557.54	1,897.1	2,454.6
Gas Lift Mandrel #5	1	L-80	6.50	4.335	2.44	4.10	2,454.6	2,458.7
Tubing	17	L-80	6.50	2 7/8	2.44	554.74	2,458.7	3,013.4
Gas Lift Mandrel #4	1	L-80	6.50	4.335	2.44	4.10	3,013.4	3,017.5
Tubing	16	L-80	6.50	2 7/8	2.44	521.84	3,017.5	3,539.4
Gas Lift Mandrel #3	1	L-80	6.50	4.335	2.44	4.10	3,539.4	3,543.5
Tubing	16	L-80	6.50	2 7/8	2.44	524.74	3,543.5	4,068.2
Gas Lift Mandrel #2	1	L-80	6.50	4.335	2.44	4.10	4,068.2	4,072.3
Tubing	14	L-80	6.50	2 7/8	2.44	453.72	4,072.3	4,526.0
Gas Lift Mandrel #1	1	L-80	6.50	4.335	2.44	4.10	4,526.0	4,530.1
Tubing	13	L-80	6.50	2 7/8	2.44	425.85	4,530.1	4,956.0
X-Nipple	1	L-80	6.50	2 7/8	2.44	1.20	4,956.0	4,957.2
Tubing	4	L-80	6.50	2 7/8	2.44	128.45	4,957.2	5,085.6
No Go Nipple XN	1	L-80	6.50	2 7/8	2.44	1.20	5,085.6	5,086.8
Tubing	1	L-80	6.50	2 7/8	2.44	32.67	5,086.8	5,119.5
Mule Shoe Guide	1	L-80	6.50	2 7/8	2.44	0.40	5,119.5	5,119.9

Surface, 394.9ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 25.0	Set Depth (ftKB) 394.9
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		8	326.81	25.0	351.8
Float Collar		1	1.49	351.8	353.3
Casing Joints		1	39.75	353.3	393.0
Float Shoe		1	1.88	393.0	394.9

Intermediate, 2,821.5ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 28.5	Set Depth (ftKB) 2,821.5	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			0	0.00	28.5	28.5
Landing Joint			0	0.00	28.5	28.5
Mandrel			1	3.20	28.5	31.7
Pup Joint			1	3.00	31.7	34.7
Casing Joints			68	2,742.93	34.7	2,777.6



Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 054H (EKA WU 0775H) NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38308	Surface Legal Location Sec 23 - TWN 23N - RNG 09W	Field Name	License #	State/Province NM	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 8/27/2023 08:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,707.3

Horizontal, Original Hole, 4/9/2024 10:35:30 AM							
MD (ftKB)	Vertical schematic (actual)	Production, 14,690.6ftKB					
		OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
		5 1/2	17.00	P-110	LT&C	23.6	14,690.6
		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
		Casing Joints	0	0.00	23.6	23.6	
		Landing joint	0	0.00	23.6	23.6	
		Casing Hanger	1	1.50	23.6	25.1	
		Casing Pup Joint	1	3.00	25.1	28.1	
		Marker Joint	1	19.20	28.1	47.3	
		Casing Joints	100	4,220.23	47.3	4,267.6	
		Air Lock	1	1.92	4,267.6	4,269.5	
		Casing Joints	24	1,011.50	4,269.5	5,281.0	
		Marker Joint	1	19.61	5,281.0	5,300.6	
		Casing Joints	43	1,840.39	5,300.6	7,141.0	
		Marker Joint	1	19.16	7,141.0	7,160.2	
		Casing Joints	42	1,815.18	7,160.2	8,975.3	
		Marker Joint	1	21.60	8,975.3	8,996.9	
		Casing Joints	44	1,855.94	8,996.9	10,852.9	
		Marker Joint	1	21.66	10,852.9	10,874.5	
		Casing Joints	44	1,857.39	10,874.5	12,731.9	
		Marker Joint	1	22.22	12,731.9	12,754.1	
		Casing Joints	44	1,835.54	12,754.1	14,589.7	
		XO	1	5.00	14,589.7	14,594.7	
		Toe Sleeve	1	5.05	14,594.7	14,599.7	
		XO	1	5.17	14,599.7	14,604.9	
		Casing Joints	1	39.64	14,604.9	14,644.5	
		Float Collar	1	1.18	14,644.5	14,645.7	
		Casing Joints	1	41.05	14,645.7	14,686.8	
		Float Collar	1	1.18	14,686.8	14,688.0	
		Float Shoe	1	2.65	14,688.0	14,690.6	
		Cement					
		Description	Cementing Start Date		Cementing End Date		
		Surface Casing Cement	8/28/2023		8/28/2023		
		Comment					
		Cement SFC CSG as follows: Flush lines with 10 bbls FW to cellar. Pressure test to 1500 psi. Pumped 10 bbls FW, 10 bbls FW with SAPP, 10 bbls FW. Pumped 352 sx (86.5 bbls) Type III cement at 14.6 ppg, 1.38 ft3/sk yield, 6.65 gal/sk w/ 1% CaCl2 0.25 lb/sk Cello Flake & 0.2% D-CD 2. Dropped plug and displaced with 51.4 bbls FW. Maintained returns throughout job. Circulated 20 bbls CMNT to surface. Plug bumped and floats held.					
		Description	Cementing Start Date		Cementing End Date		
		Intermediate Casing Cement	10/30/2023		10/30/2023		
		Comment					
		PJSM with Drake Energy Services. Pressure tested lines to 2500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 207 bbls (625 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33 bbls (137 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 214 bbls FW. FCP at 822 psi and Bump Plug, bled off floats held. Maintained returns throughout job. Calculated 50 bbls to surface and got 34 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,279 ft MD. Flush Through All Lines					



Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 054H (EKA WLU 775H) NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38308	Surface Legal Location Sec 23 - TWN 23N - RNG 09W	Field Name	License #	State/Province NM	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 8/27/2023 08:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,707.3

Horizontal, Original Hole, 4/9/2024 10:35:32 AM		Cement		
MD (ftKB)	Vertical schematic (actual)	Description Production Casing Cement	Cementing Start Date 2/11/2024	Cementing End Date 2/11/2024
		Comment Offline Cement Summary: PJSM with American Cementing. Pressure tested lines to 5,000 psi. Pumped 60 bbls Intraguard Star @11.0 ppg. Pumped Lead Cement: 223 bbls (555 sx) ASTM Type I/II at 12.4 ppg, 2.26 ft³/sk, 12.71 gal H2O/sk. Pumped Tail Cement: 470 bbls (1,678 sx) Class G Cement at 13.3 ppg, 1.57 ft³/sk, 7.71-gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 340 bbls FW with cement retarder in 1st 50 bbls. FCP 1,731 -- psi Bump Plug at 4.0 bpm to 3,076 - psi. Bled back 3.5 Bbls and floats held. Cement From 20:37 2/11/2024 To 23:38 - 2/11/2024 Top of Tail: Calculated 4,312 ft MD. Top of Lead: Surface Cement Back 64 BBL, Calculated Back 90 bbl's. Cement in place at 23:38 on 2/11/2024, Wash Through All Cement Lines, Rig Down American.		
24.9		Des:Tubing Hanger; OD:4.89 in; ID:2.44 in; Length:0.80 ft; Top MD:25.0 ftKB		
25.9				
28.5		Des:Gas Lift Mandrel #7; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:1,366.6 ftKB		
34.8		Des:Gas Lift Mandrel #6; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:1,892.9 ftKB		
351.7		Des:Gas Lift Mandrel #5; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:2,454.6 ftKB		
393.0				
403.9		Des:Gas Lift Mandrel #4; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,013.4 ftKB		
1,370.7		Des:Gas Lift Mandrel #3; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,539.4 ftKB		
1,897.0		Des:Gas Lift Mandrel #2; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,068.2 ftKB		
2,458.7				
2,779.2		Des:Gas Lift Mandrel #1; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,526.0 ftKB		
2,821.5		Des:X-Nipple; OD:2 7/8 in; ID:2.44 in; Length:1.20 ft; Top MD:4,956.0 ftKB		
3,013.5		Des:No Go Nipple XN; OD:2 7/8 in; ID:2.44 in; Length:1.20 ft; Top MD:5,085.6 ftKB		
3,539.4		Des:Tubing - Production; OD:2 7/8 in; ID:2.44 in; Length:5,094.89 ft; Top MD:25.0 ftKB		
4,068.2				
4,267.7				
4,525.9				
4,956.0				
5,085.6				
5,119.4				
5,280.8				
7,141.1				
8,975.4				
10,853.0				
12,732.0				
14,193.9				
14,594.8				
14,605.0				
14,645.7				
14,688.0				
14,727.0				

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 352060

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 352060
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	12/4/2025