

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. **NOG13121862**

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

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

8. Well Name and No. **GREATER LYBROOK UNIT/057H**

2. Name of Operator **ENDURING RESOURCES LLC**

9. API Well No. **3004538311**

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				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 determined 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: 5066 MD

GLVs: 1401, 2060, 2687, 3313, 3875, 4436

Job Start: 3.10.2024

Job End: 3.15.2024

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.

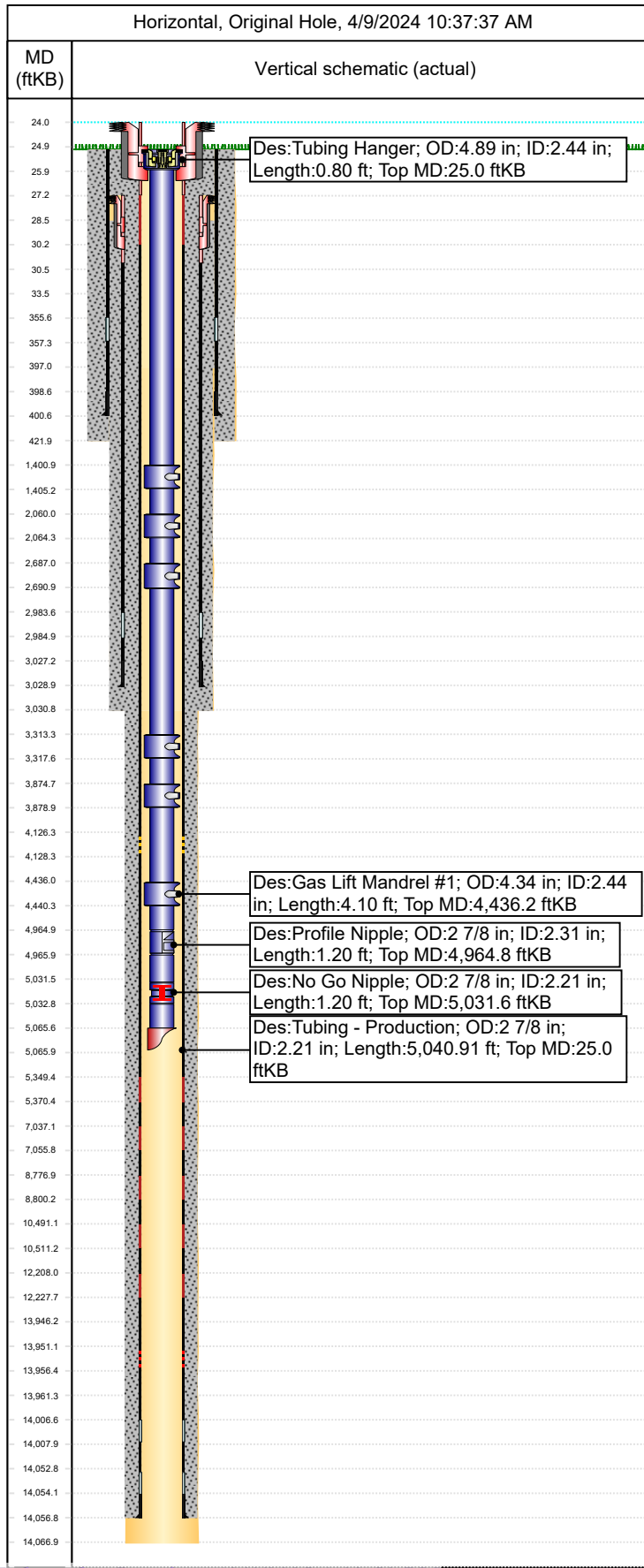
(Instructions on page 2)



Enduring Resources IV - Production WBD

Well Name: **GREATER LYBROOK UNIT 057H (EKA WLU 772H)** NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38311	Surface Legal Location 23 - 23N - 09W	Field Name	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 9/9/2023 12:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,324.5



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	422.0	422.0
Intermediate	12 1/4	397.0	397.0	3,031.0	2,673.5
Production	8 1/2	3,031.0	2,673.5	14,067.0	4,324.5

Rod Strings					
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)

Tubing - Production set at 5,065.9ftKB on 3/15/2024 07:00								
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing - Production						5,040.91	5,065.9	

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	42	L-80	6.50	2 7/8	2.44	1,375.20	25.8	1,401.0
Gas Lift Mandrel #6	1		6.50	4.335	2.44	4.10	1,401.0	1,405.1
Tubing	20	L-80	6.50	2 7/8	2.44	655.01	1,405.1	2,060.1
Gas Lift Mandrel #5	1		6.50	4.335	2.44	4.10	2,060.1	2,064.2
Tubing	19	L-80	6.50	2 7/8	2.44	622.69	2,064.2	2,686.9
Gas Lift Mandrel #4	1		6.50	4.335	2.44	4.10	2,686.9	2,691.0
Tubing	19	L-80	6.50	2 7/8	2.44	622.33	2,691.0	3,313.3
Gas Lift Mandrel #3	1		6.50	4.335	2.44	4.10	3,313.3	3,317.4
Tubing	17	L-80	6.50	2 7/8	2.44	557.29	3,317.4	3,874.7
Gas Lift Mandrel #2	1		6.50	4.335	2.44	4.10	3,874.7	3,878.8
Tubing	17	L-80	6.50	2 7/8	2.44	557.33	3,878.8	4,436.2
Gas Lift Mandrel #1	1		6.50	4.335	2.44	4.10	4,436.2	4,440.3
Tubing	16	L-80	6.50	2 7/8	2.44	524.56	4,440.3	4,964.8
Profile Nipple	1		6.50	2 7/8	2.31	1.20	4,964.8	4,966.0
Tubing	2	L-80	6.50	2 7/8	2.44	65.55	4,966.0	5,031.6
No Go Nipple	1		6.50	2 7/8	2.21	1.20	5,031.6	5,032.8
Tubing	1	L-80	6.50	2 7/8	2.44	32.75	5,032.8	5,065.5
Mule Shoe	1			3 1/2	2.44	0.40	5,065.5	5,065.9

Surface, 400.5ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
13 3/8	54.50	J-55	Buttress Thread	25.0	400.5
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	8	330.60	25.0	355.6	356.6
Float Collar	1	1.49	355.6	357.1	357.1
Casing Joints	1	41.50	357.1	398.6	398.6
Float Shoe	1	1.88	398.6	400.5	400.5

Intermediate, 3,029.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	LT&C	27.2	3,029.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	0	0.00	27.2	27.2	27.2
Landing Joint	0	0.00	27.2	27.2	27.2
Hanger	1	3.20	27.2	30.4	30.4
Pup Joint	1	3.00	30.4	33.4	33.4
Casing Joints	70	2,950.06	33.4	2,983.5	2,983.5
Float Collar	1	1.45	2,983.5	2,984.9	2,984.9
Casing Joints	1	42.18	2,984.9	3,027.1	3,027.1
Float Shoe	1	1.90	3,027.1	3,029.0	3,029.0



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Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 9/9/2023 12:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,324.5

Horizontal, Original Hole, 4/9/2024 10:37:39 AM		Production, 14,056.8ftKB					
MD (ftKB)	Vertical schematic (actual)	OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
		Item Des		P-110	LT&C	24.0	14,056.8
					Jts	Len (ft)	Top (ftKB) / Btm (ftKB)
					0	0.00	24.0 / 24.0
					0	0.00	24.0 / 24.0
					0	0.00	24.0 / 24.0
					1	3.20	24.0 / 27.2
					1	3.00	27.2 / 30.2
					91	4,096.16	30.2 / 4,126.3
					1	1.92	4,126.3 / 4,128.3
					27	1,221.01	4,128.3 / 5,349.3
					1	21.31	5,349.3 / 5,370.6
					37	1,666.48	5,370.6 / 7,037.1
					1	18.63	7,037.1 / 7,055.7
					40	1,721.09	7,055.7 / 8,776.8
					1	23.39	8,776.8 / 8,800.2
					39	1,691.02	8,800.2 / 10,491.2
					1	19.96	10,491.2 / 10,511.1
					38	1,696.99	10,511.1 / 12,208.1
					1	19.70	12,208.1 / 12,227.8
					38	1,718.44	12,227.8 / 13,946.3
					1	4.97	13,946.3 / 13,951.2
					1	5.04	13,951.2 / 13,956.3
					1	5.07	13,956.3 / 13,961.4
					1	45.23	13,961.4 / 14,006.6
					1	1.18	14,006.6 / 14,007.8
					1	45.21	14,007.8 / 14,053.0
					1	1.18	14,053.0 / 14,054.2
					1	2.65	14,054.2 / 14,056.8
		Cement					
		Description	Cementing Start Date		Cementing End Date		
		Surface Casing Cement	9/14/2023		9/14/2023		
		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 51.0 bbls FW. Maintained returns throughout job. Circulated 41 bbls CMNT to surface. Plug bumped and floats held. FCP 100 @ 2.75 BPM Bumped to 600 psi.					
		Description	Cementing Start Date		Cementing End Date		
		Intermediate Casing Cement	11/10/2023		11/10/2023		
		Comment					
		PJSM with Drake Energy Services. Pressure tested lines to 1500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 225 bbls (591 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.0 bbls (135 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 230 bbls FW. FCP at 834 psi and Bump Plug, bled off floats held. Maintained returns throughout job. Calculated 76 bbls to surface and got 84 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,493 ft MD. Flush Through All Lines					
		Description	Cementing Start Date		Cementing End Date		
		Production Casing Cement	1/18/2024		1/18/2024		
		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: 242 bbls (600 sx) ASTM Type I/II at 12.4 ppg, 2.26 ft3/sk, 12.70 gal H2O/sk. Pumped Tail Cement: 424 bbls (1,520 sx) Class G Cement at 13.3 ppg, 1.57 ft3/sk, 7.70-gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 325 bbls FW with cement retarder in 1st 50 bbls. FCP 1,490 -- psi Bump Plug at 4.0 bpm to 2,300 - psi. Bled back 1.5 Bbls and floats held. Cement From 13:00 To 17:00 - 1/18/2024 Top of Tail: Calculated 4,594 ft MD. Top of Lead: Surface Cement Back 65 BBL, Calculated Back 70 bb'l's. Cement in place at 17:00 on 1/18/2024, Wash Through All Cement Lines, Rig Down American.					

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/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 352070

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 352070
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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