

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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. **NMNM118731**6. If Indian, Allottee or Tribe Name  
**EASTERN NAVAJO****SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
**ENDURING RESOURCES LLC**3a. Address **200 ENERGY COURT, FARMINGTON, NM 87401**  
3b. Phone No. (include area code)  
**(505) 497-8574**7. If Unit of CA/Agreement, Name and/or No.  
**Greater Lybrook/NMNM144419X**8. Well Name and No. **GREATER LYBROOK UNIT/863H**9. API Well No. **3004538189**4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 27/T23N/R9W/NMP**10. Field and Pool or Exploratory Area  
**CHACO/RUSTY GALLUP OIL POOL**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 recompleat 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 recompleat 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 workover for tubing reconfiguration. Production tubing string was re-configured. An updated well schematic is attached.

EOT: 4,561 MD

Packer: None

GLVs: None

Orifice Valve: none - EOT

Job Start: 6/22/2023

Job End: 6/22/2023

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**HEATHER HUNTINGTON / Ph: (505) 636-9751**Title **Permitting Technician**

Signature

Date **07/20/2023****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**MATTHEW H KADE / Ph: (505) 564-7736 / Accepted**Title **Petroleum Engineer**Date **07/21/2023**

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)

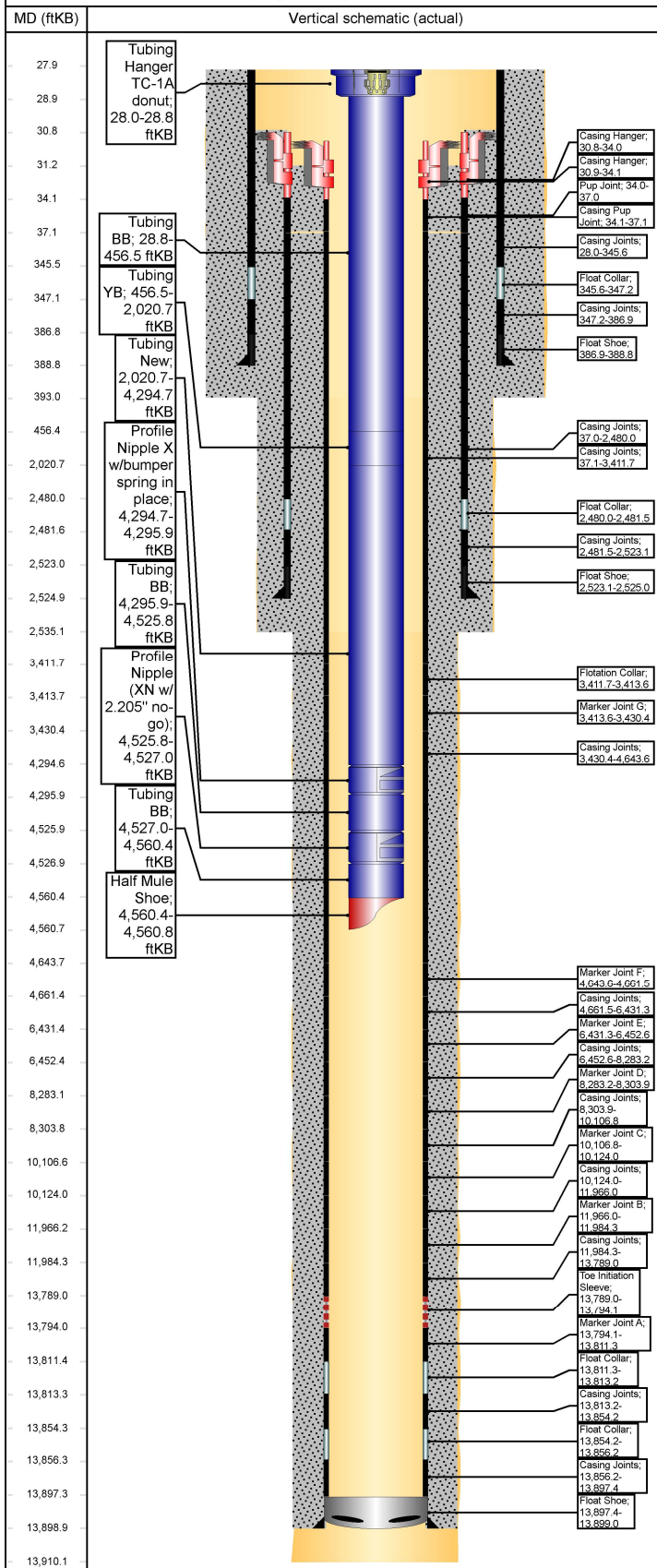


# Wellbore Schematic - Components and Cement

**Well Name: GREATER LYBROOK UNIT 863H (fka W LYBROOK)**

API/UWI 30-045-38189		County SAN JUAN		State/Province NEW MEXICO		Surface Legal Location (UNIT C) NE/4, NW/4, SECTION 27. T23N, R09W							
Spud Date 2/14/2022		On Production Date		Abandon Date		Ground Elevation (ft) 6,641.00		Original KB Elevation (ft) 6,669.00		Total Depth (All) (ftKB) Original Hole - 13,910.0		PBTD (All) (ftKB)	

Horizontal, Original Hole, 7/6/2023 7:25:23 AM



## Other Strings

String Description	String Length (ft)	Set Depth (ftKB)	Run Date
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## Other In Hole

Des	String	Top (ftKB)	Btm (ftKB)	Run Date
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## Rod Strings

<des> on <dtmrun>

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

**Tubing - Production set at 4,560.8ftKB on 6/22/2023 17:00**

Tubing Description	Len (ft)	Set Depth (ftKB)	Run Date	Cut/Pull Date	Depth C...
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Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger TC-1A donut	4 3/4	0.80	28.0	28.8		
13	Tubing BB	2 7/8	427.66	28.8	456.5	L-80	6.50
48	Tubing YB	2 7/8	1,564.20	456.5	2,020.7	L-80	6.50
70	Tubing New	2 7/8	2,274.04	2,020.7	4,294.7	J-55	6.50
1	Profile Nipple X w/bumper spring in place	2 7/8	1.20	4,294.7	4,295.9		
7	Tubing BB	2 7/8	229.92	4,295.9	4,525.8	L-80	6.50
1	Profile Nipple (XN w/ 2.205" no-go)	2 7/8	1.20	4,525.8	4,527.0		
1	Tubing BB	2 7/8	33.34	4,527.0	4,560.4	L-80	6.50
1	Half Mule Shoe	2 7/8	0.40	4,560.4	4,560.8		

## Casing Strings

**Production, 13,899.0ftKB**

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
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## Casing Components

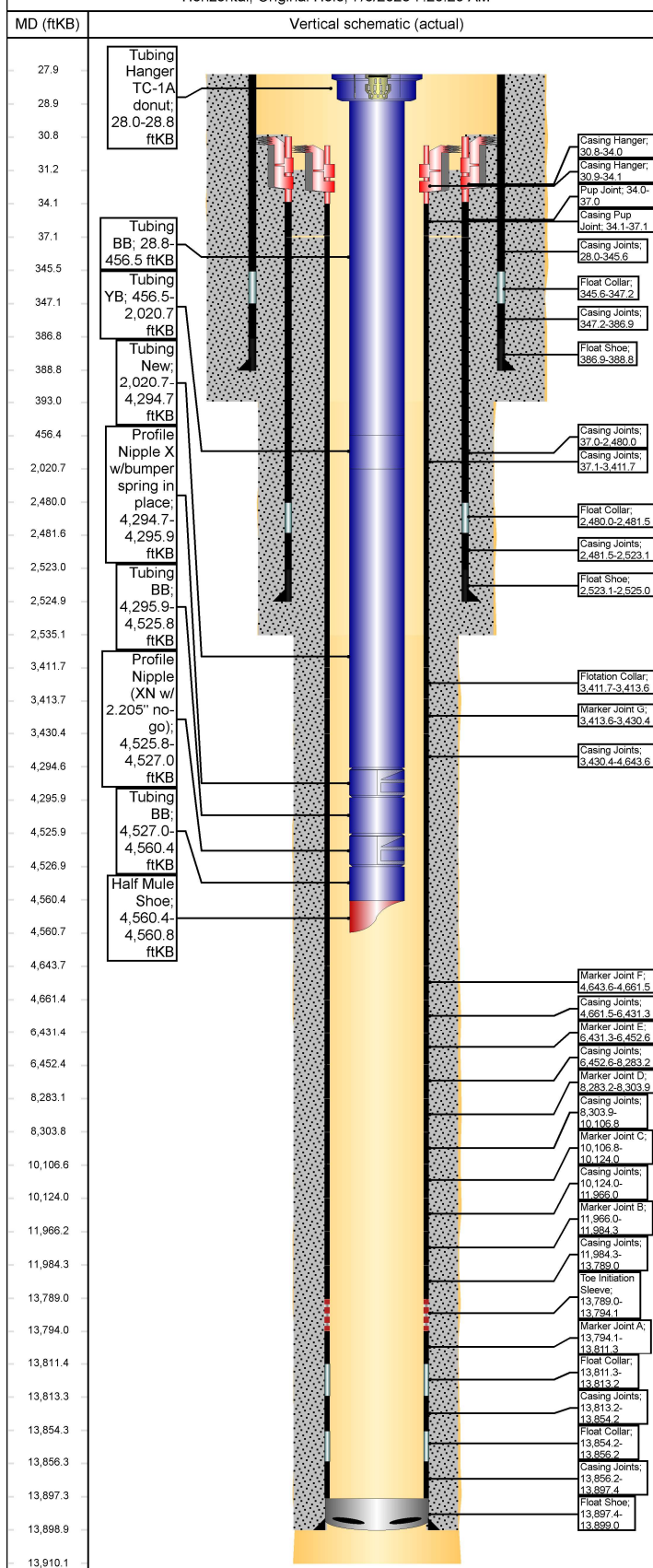
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Marker Joint I	0	5 1/2	4.89	17.00	P-110	0.00
Marker Joint H	0	5 1/2	4.89	17.00	P-110	0.00
Casing Joints	0	5 1/2	4.89	17.00	P-110	0.00
Landing Joint	0	5 1/2	4.89	17.00	P-110	0.00
Casing Hanger	1	5 1/2	4.89	17.00	P-110	3.20
Casing Pup Joint	1	5 1/2	4.89	17.00	P-110	3.00
Casing Joints	81	5 1/2	4.89	17.00	P-110	3,374.57
Flotation Collar	1	5 1/2	4.89	17.00	P-110	1.92
Marker Joint G	1	5 1/2	4.89	17.00	P-110	16.83
Casing Joints	30	5 1/2	4.89	17.00	P-110	1,213.13
Marker Joint F	1	5 1/2	4.89	17.00	P-110	17.94
Casing Joints	43	5 1/2	4.89	17.00	P-110	1,769.83
Marker Joint E	1	5 1/2	4.89	17.00	P-110	21.24
Casing Joints	44	5 1/2	4.89	17.00	P-110	1,830.58
Marker Joint D	1	5 1/2	4.89	17.00	P-110	20.77
Casing Joints	43	5 1/2	4.89	17.00	P-110	1,802.86
Marker Joint C	1	5 1/2	4.89	17.00	P-110	17.26
Casing Joints	45	5 1/2	4.89	17.00	P-110	1,842.00
Marker Joint B	1	5 1/2	4.89	17.00	P-110	18.24
Casing Joints	45	5 1/2	4.89	17.00	P-110	1,804.68
Toe Initiation Sleeve	1	5 1/2	4.89	17.00	P-110	5.10
Marker Joint A	1	5 1/2	4.89	17.00	P-110	17.23
Float Collar	1	5 1/2	4.89	17.00	P-110	1.92
Casing Joints	1	5 1/2	4.89	17.00	P-110	41.03

## WellView®

## Wellbore Schematic - Components and Cement

**Well Name: GREATER LYBROOK UNIT 863H (fka W LYBROOK)**

Horizontal. Original Hole. 7/6/2023 7:25:25 AM



## Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Float Collar	1	5 1/2	4.89	17.00	P-110	1.92
Casing Joints	1	5 1/2	4.89	17.00	P-110	41.20
Float Shoe	1	5 1/2	4.89	17.00	P-110	1.63

## Intermediate. 2.525.0ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
Intermediate	9 5/8	36.00	J-55	30.8	2,525.0		8.92

## Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	0	9 5/8	8.92	36.00	J-55	0.00
Landing Joint	0	9 5/8	8.92	36.00	J-55	0.00
Casing Hanger	1	9 5/8	8.92	36.00	J-55	3.20
Pup Joint	1	9 5/8	8.92	36.00	J-55	3.00
Casing Joints	60	9 5/8	8.92	36.00	J-55	2,443.00
Float Collar	1	9 5/8	8.92	36.00	J-55	1.50
Casing Joints	1	9 5/8	8.92	36.00	J-55	41.56
Float Shoe	1	9 5/8	8.92	36.00	J-55	1.90

## Surface. 388.8ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
Surface	13 3/8	54.50	J-55	28.0	388.8		12.62

## Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	8	13 3/8	12.62	54.50	J-55	317.60
Float Collar	1	13 3/8	12.62	54.50	J-55	1.62
Casing Joints	1	13 3/8	12.62	54.50	J-55	39.70
Float Shoe	1	13 3/8	12.62	54.50	J-55	1.84

## Cement

Surface Casing Cement, Casing, 2/15/2022 15:00

Description Surface Casing Cement	String Surface, 388.8ftKB	Cementing Start Date 2/15/2022 15:00	Cementing End Date 2/15/2022 16:11
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### Cement Stages

Sl No	Top (ftKB)	Btm (ftKB)	Com
1	28.0	393.0	PJSM, test lines, pump 10 bbls FW spacer, 10 bbls Sapp sweep, 10 bbls FW spacer & 85.4 bbls Type III cmt (350 sxs) @ 14.6 PPG, drop plug & disp w/ 49 bbls H2O, Bump plug @ 840 psi, circ 50 bbls good cmt to surface

Intermediate Casing Cement, Casing, 3/22/2022 17:00

Description	String	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	Intermediate, 2,525.0ftKB	3/22/2022 17:00	3/22/2022 20:55

### Cement Stages

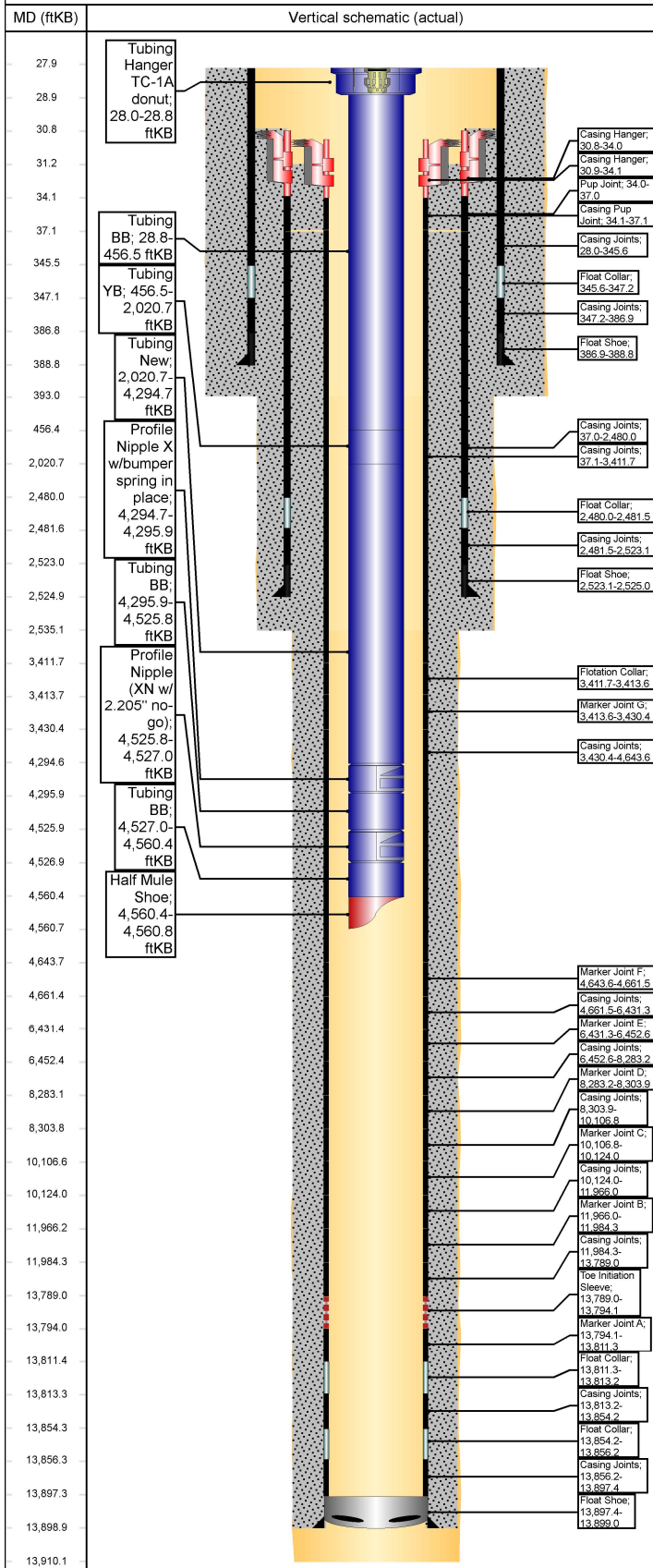
Stg #	Top (ftKB)	Btm (ftKB)	Com
1	30.8	2,535.0	<p>Cementers on Location 18:00</p> <p>Cement Offline as follows: PJSM with Drake Energy Services. Pressure tested lines to 2,000 psi.</p> <p>Pumped 10 bbls FW, 20 bbls D-Mud Breaker, &amp; 10 bbls of FW. Pumped Lead Cement: 175 bbls (470 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.4 bbls (136 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug &amp; began displacement.</p> <p>Displaced with 188.9 bbls FW. FCP at 650 psi Did not Bump Plug Shut in with 650 psi. Maintained returns throughout job. Calculated 40 bbls to surface.</p> <p>Top of Lead to surface and top of tail at 1,951 ft MD.</p> <p>Released Rig @ 13:00 3/22/2022 to the W. Lybrook Unit 861 H. (Cement 18:15 Hour's To 20:55 Hour's on -3/22/2022 )</p>

Production Casing Cement, Casing, 4/11/2022 17:09

Description	String	Cementing Start Date	Cementing End Date
Production Casing Cement	Production, 13,899.0ftKB	4/11/2022 17:09	4/11/2022 20:45

Well Name: GREATER LYBROOK UNIT 863H (fka W LYBROOK)

Horizontal, Original Hole, 7/6/2023 7:25:26 AM



## Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	31.2	13,899.0	<p>Cement Summary:</p> <p>PJSM with American Cementing. Pressure tested lines to 5000 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 209.63. bbls (498 sx) ASTM Type I/II at 12.4 ppg, 2.36 ft<sup>3</sup>/sk, 13.4 gal H<sub>2</sub>O/sk. Pumped Tail Cement: 336.7 bbls (1209 sx) Class G Cement at 13.3 ppg, 1.56 ft<sup>3</sup>/sk, 7.7 gal H<sub>2</sub>O/sk. Washed lines, dropped plug &amp; began displacement. Displaced with 262.8 bbls FW with cement retarder in 1st 50 bbls. FCP at 1,648 psi Didnt Bump Plug at 4.0 bpm to 1,648- psi. Bled back 1- Bbls and floats held.</p> <p>Top of Tail: Calculated 3863 ft MD. Tof of Lead: surface Cement Back 33- BBL, Calculated Back 60- bbl's</p> <p>Cement in place at 07:09- on 3/31/2022</p>

## Wellbores

## Original Hole

Wellbore Name	Parent Wellbore
Original Hole	

## Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Surface	17 1/2	28.0	393.0
Intermediate	12 1/4	393.0	2,535.0
Production	8 1/2	2,535.0	13,910.0

**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 258670

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 258670
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	9/5/2023