

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. NMNM121961

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 ☐ Other

2. Name of Operator
ENDURING RESOURCES LLC

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

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 23/T23N/R09W/NMP

7. If Unit of CA/Agreement, Name and/or No.
NMNM105803962

8. Well Name and No.
GREATER LYBROOK UNIT/729H

9. API Well No.
3004538267

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

11. Country or Parish, State
SAN JUAN/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<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 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 workover for a wellbore cleanout. Production tubing string was re-configured. An updated well schematic is attached.

EOT: 4,689 MD
Packer: None
GLVs: None
Orifice Valve: none - EOT
Job Start: 8/18/2023
Job End: 8/21/2023

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

Title
Permitting Technician

Signature (Electronic Submission)

Date
09/27/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
MATTHEW H KADE / Ph: (505) 564-7736 / Accepted

Title
Petroleum Engineer

Date
09/27/2023

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)

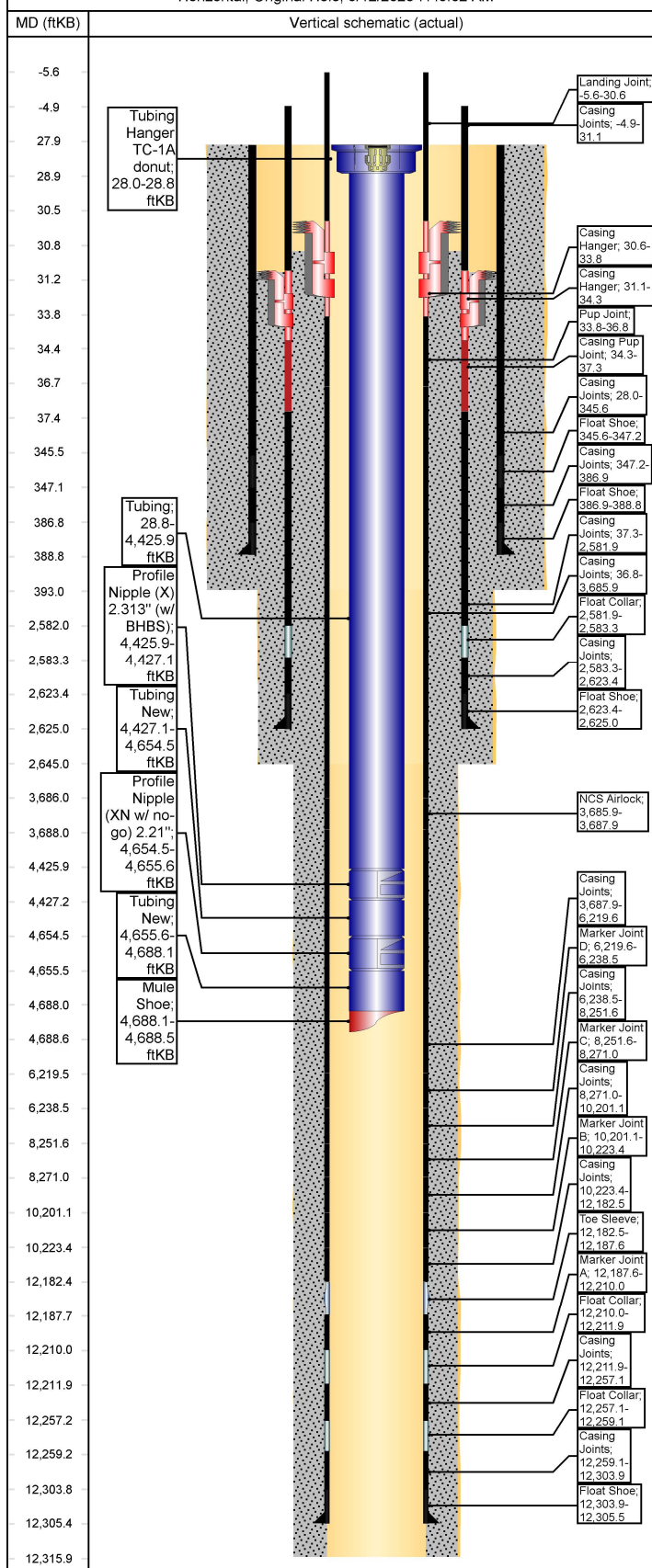


Wellbore Schematic - Components and Cement

Well Name: GREATER LYBROOK UNIT 729H (fka WLU)

API/UWI 30-045-38267		County SAN JUAN		State/Province NEW MEXICO		Surface Legal Location Unit (M), SW/4, SW/4, SEC 23, T23N, R09W							
Spud Date 12/27/2021		On Production Date		Abandon Date		Ground Elevation (ft) 6,748.00		Original KB Elevation (ft) 6,776.00		Total Depth (All) (ftKB) Original Hole - 12,316.0		PBTD (All) (ftKB)	

Horizontal, Original Hole, 9/12/2023 7:49:02 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 4,688.5ftKB on 8/21/2023 10:30

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	2 7/8	4,397.1	28.8	4,425.9	L-80	6.50
5			0				
1	Profile Nipple (X) 2.313\" (w/BHBS)	2 7/8	1.20	4,425.9	4,427.1	L-80	6.50
7	Tubing New	2 7/8	227.35	4,427.1	4,654.5	J-55	6.50
1	Profile Nipple (XN w/ no-go) 2.21\"	2 7/8	1.20	4,654.5	4,655.7	L-80	6.50
1	Tubing New	2 7/8	32.48	4,655.7	4,688.1	J-55	6.50
1	Mule Shoe	2 7/8	0.40	4,688.1	4,688.5	L-80	6.50

Casing Strings

Production, 12,305.5ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
Production	5 1/2	17.00	P-110	-5.6	12,305.5		4.89

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
Marker Joint G	0	5 1/2	4.89	17.00	P-110	0.00
Marker Joint F	0	5 1/2	4.89	17.00	P-110	0.00
Marker Joint E	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	1	5 1/2	4.89	17.00	P-110	36.25
Casing Hanger	1	5 1/2	4.89	17.00	P-110	3.20
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	3,649.12
NCS Airlock	1	5 1/2	4.89	17.00	P-110	1.92
Casing Joints	56	5 1/2	4.89	17.00	P-110	2,531.77
Marker Joint D	1	5 1/2	4.89	17.00	P-110	18.85
Casing Joints	45	5 1/2	4.89	17.00	P-110	2,013.13
Marker Joint C	1	5 1/2	4.89	17.00	P-110	19.41
Casing Joints	43	5 1/2	4.89	17.00	P-110	1,930.12
Marker Joint B	1	5 1/2	4.89	17.00	P-110	22.22
Casing Joints	44	5 1/2	4.89	17.00	P-110	1,959.14
Toe 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	22.36
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	45.26
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	44.81
Float Shoe	1	5 1/2	4.89	17.00	P-110	1.63

Intermediate, 2,625.0ftKB

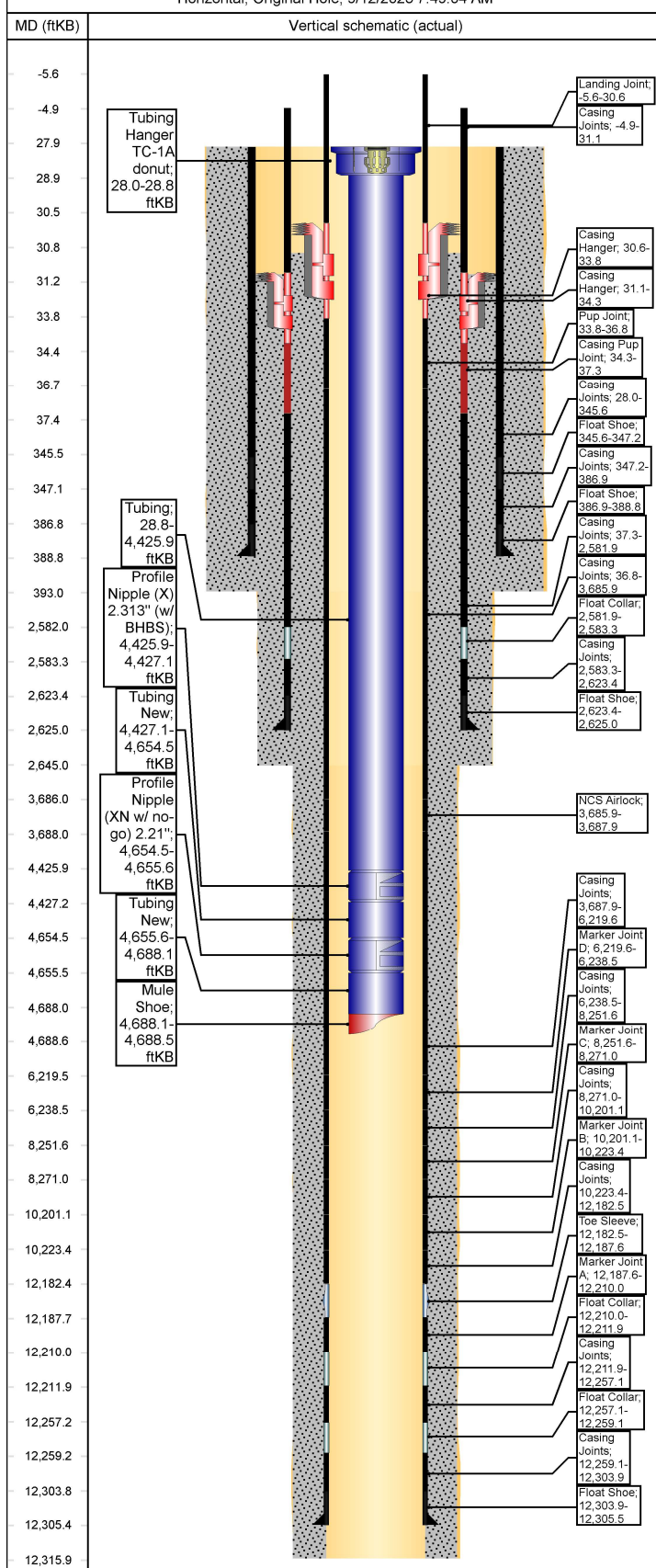
Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
Intermediate	9 5/8	36.00	J-55	-4.9	2,625.0		8.92

WellView®

Wellbore Schematic - Components and Cement

Well Name: GREATER LYBROOK UNIT 729H (fka WLU)

Horizontal. Original Hole. 9/12/2023 7:49:04 AM



Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	1	9 5/8	8.92	36.00	J-55	36.00
Casing Hanger	1	9 5/8	8.92	36.00	J-55	3.20
Casing Pup Joint	1	9 5/8	8.92	36.00	J-55	3.00
Casing Joints	64	9 5/8	8.92	36.00	J-55	2,544.62
Float Collar	1	9 5/8	8.92	36.00	J-55	1.35
Casing Joints	1	9 5/8	8.92	36.00	J-55	40.14
Float Shoe	1	9 5/8	8.92	36.00	J-55	1.60

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 Shoe	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. 12/28/2021 16:25

Description	String	Cementing Start Date	Cementing End Date
Surface Casing Cement	Surface, 388.8ftKB	12/28/2021 16:25	12/28/2021 17:36

Cement Stages

Cement Stages			
Stg #	Top (ftKB)	Btm (ftKB)	Com
1	28.0	393.0	PJSM, Test Lines, Pumped 10 bbl's FW Spacer, 10 bbls Sapp Spacer, 10 bbls FW Spacer, 86.6 bbls Type iii Cement, 350 sks, @ 14.6 ppg, Dropped Plug, Displaced with 49 bbls water, Bumped Plug Bled Back 1/2 bbl, Float Held, 39 bbls Cement Back To Surface, Rig Down Cementer's, (Rig Released @ 17:36 hrs on 12/28/2021

Intermediate Casing Cement, Casing, 1/25/2022 14:40

Description	String	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	Intermediate, 2,625.0ftKB	1/25/2022 14:40	1/25/2022 17:15

Cement Stages

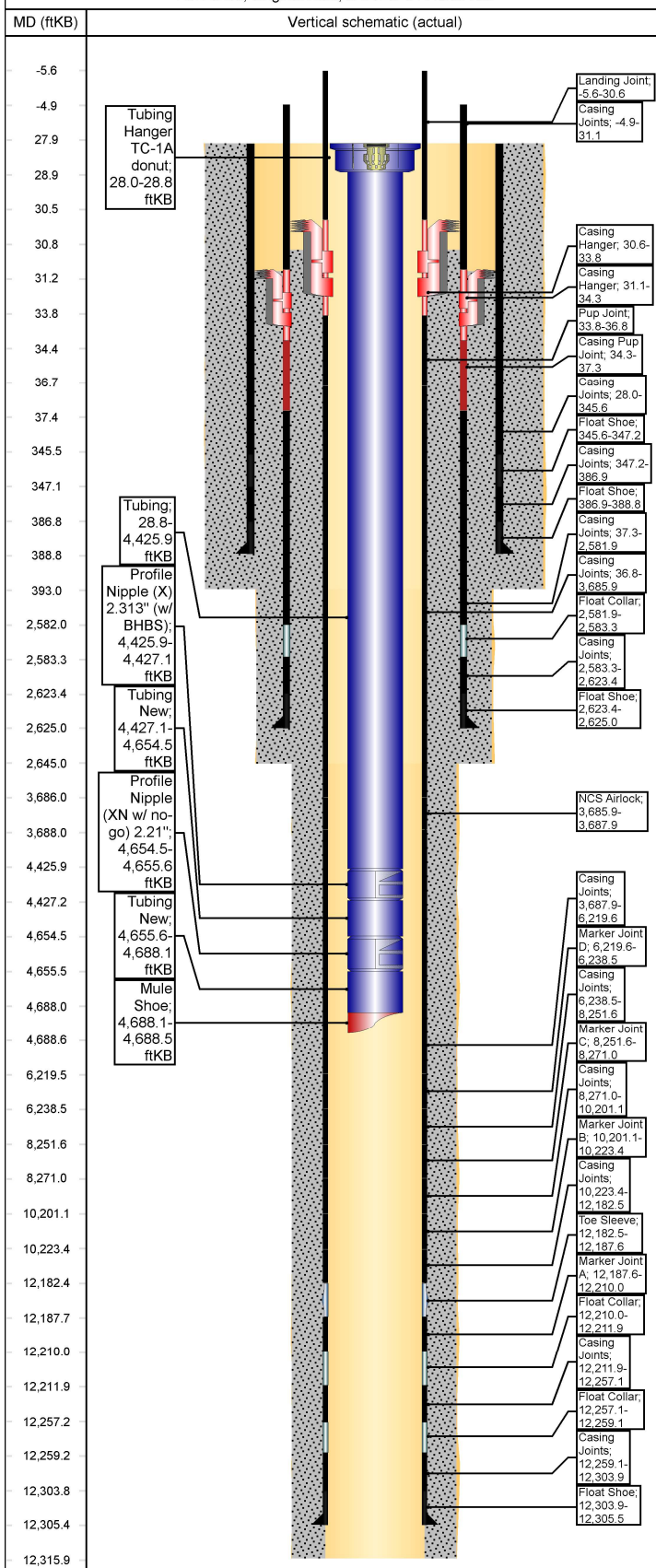
Cement Stages		Com
Stg #	Top (ftKB)	Btm (ftKB)
1	31.1	2,645.0
<p>Cement Offline as follows:</p> <p>PJSM with Drake Energy Services. Pressure tested lines to 2500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 193 bbls (506 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33 bbls (136 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 203.6 bbls FW. FCP at 800 psi and plug bumped floats held, bleed 1.0 bbl back. Maintained returns throughout job. Calculated 43 bbls to surface and got 40 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,477 ft MD. Released Rig @ 13:30 1/23/2022 to the W. Lybrook Unit 729 H. (Cement 17:00 Hour,s To 20:00 Hour,s on -1/23/2022)</p>		

Production Casing Cement, Casing, 2/14/2022 17:45

Description Production Casing Cement	String Production, 12,305.5ftKB	Cementing Start Date 2/14/2022 17:45	Cementing End Date 2/14/2022 21:42
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WellView®**Wellbore Schematic - Components and Cement****Well Name: GREATER LYBROOK UNIT 729H (fka WLU)**

Horizontal, Original Hole, 9/12/2023 7:49:05 AM

**Cement Stages**

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	30.9	12,316.0	<p>Cement Summary: PJSM with American Cementing. Pressure tested lines to 5000 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 200 bbls (476 sx) ASTM Type I/II at 12.4 ppg, 2.36 ft3/sk, 13.4 gal H2O/sk. Pumped Tail Cement: 403.3 bbls (1448 sx) Class G Cement at 13.3 ppg, 1.56 ft3/sk, 7.69 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 394 bbls FW with cement retarder in 1st 50 bbls. FCP at 1,980 psi and plug bumped at 4.0 bpm to 2900 psi. Bled back 1.0 Bbls and floats held.</p> <p>Pressured up to 2900 psi 3 times bumping plug & pressure bled off each time. Checked floats and floats held.</p> <p>Top of Tail: Calculated 3,937 ft MD. Top of Lead: surface Cement Back 55 BBL,</p> <p>Cement in place at 01:30 on 02/09/2022</p>

Wellbores**Original Hole**

Wellbore Name	Parent Wellbore
Original Hole	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	2,645.0
Production	8 1/2	2,645.0	12,316.0

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 270862

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 270862
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	12/5/2025