

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. **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 ☐ Other2. Name of Operator
ENDURING RESOURCES LLC3a. Address **200 ENERGY COURT, FARMINGTON, NM 87401** 3b. Phone No. (include area code)
(505) 497-85744. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 27/T23N/R9W/NMP7. If Unit of CA/Agreement, Name and/or No.
Greater Lybrook/NMNM144419X8. Well Name and No. **GREATER LYBROOK UNIT/861H**9. API Well No. **3004535844**10. Field and Pool or Exploratory Area
LYBROOK MANCOS W/LYBROOK MANCOS W11. 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: 4,907 MD

Packer: None

GLVs: None

Orifice Valve: none - EOT

Job Start: 6/21/2023

Job End: 6/21/2023

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

Signature

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

Approved by

MATTHEW H KADE / Ph: (505) 564-7736 / AcceptedTitle **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)

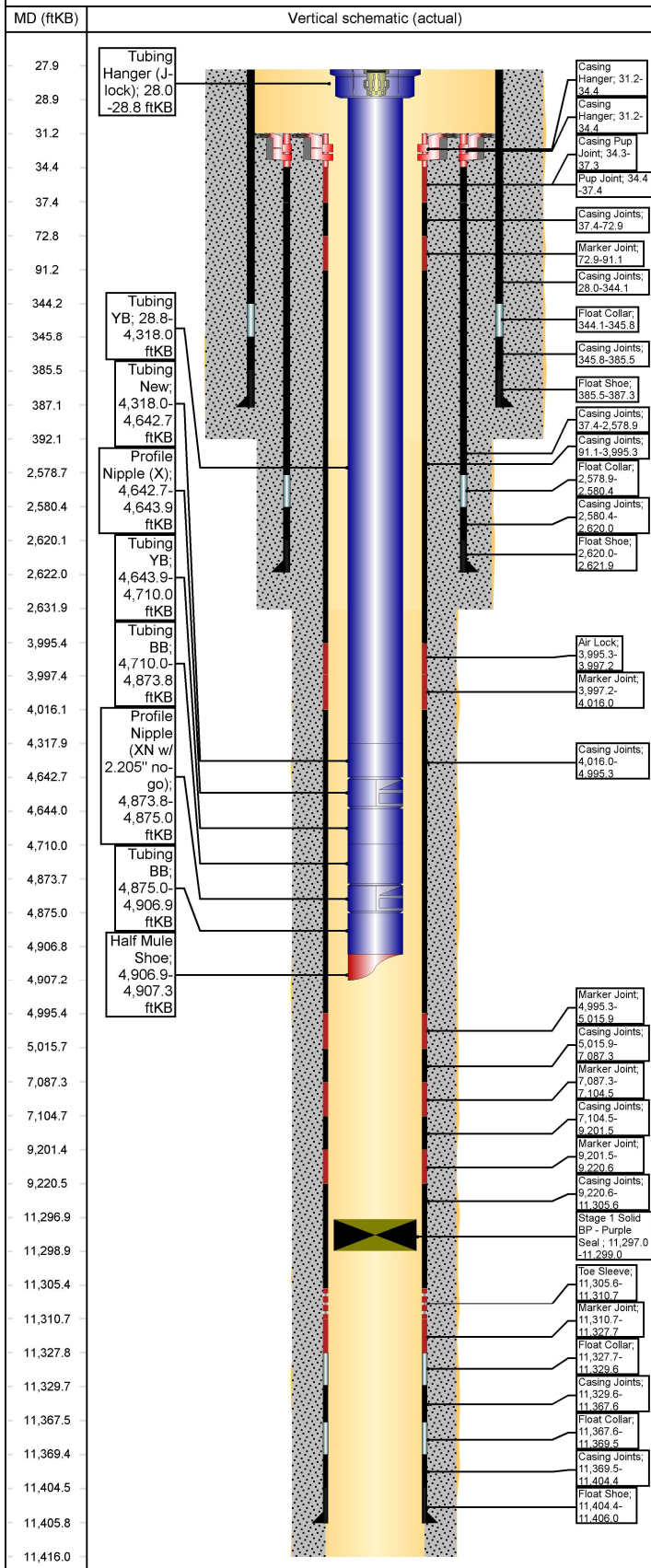


Wellbore Schematic - Components and Cement

Well Name: GREATER LYBROOK UNIT 861H (fka W LYBROOK)

API/UWI 30-045-35844		County SAN JUAN		State/Province NEW MEXICO		Surface Legal Location (UNIT C), NE/4, NW/4, SECTION 27, T23N, R09W							
Spud Date 2/1/2022		On Production Date		Abandon Date		Ground Elevation (ft) 6,641.00		Original KB Elevation (ft) 6,669.00		Total Depth (All) (ftKB) Original Hole - 11,416.0		PBTD (All) (ftKB)	

Horizontal, Original Hole, 7/5/2023 2:44:29 PM



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
Stage 1 Solid BP - Purple Seal		11,297.0	11,299.0	6/26/2022 15:30

Rod Strings

<des> on <dtmrun>

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

Tubing Strings

Tubing - Production set at 4,907.3ftKB on 6/21/2023 18:00

Tubing Description		Len (ft)	Set Depth (ft)	Run Date	Cut/Pull Date	Depth C...	
Tubing - Production		4,879.30	4,907.3	6/21/2023			
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger (J-lock)	4 3/4	0.80	28.0	28.8		
13	Tubing YB	2 7/8	4,289.18	28.8	4,318.0	L-80	6.50
2	Tubing New	2 7/8	324.76	4,318.0	4,642.7	J-55	6.50
1	Profile Nipple (X)	2 7/8	1.20	4,642.7	4,643.9		
2	Tubing YB	2 7/8	66.03	4,643.9	4,710.0	L-80	6.50
5	Tubing BB	2 7/8	163.85	4,710.0	4,873.8	L-80	6.50
1	Profile Nipple (XN w/ 2.205" no-go)	2 7/8	1.20	4,873.8	4,875.0		
1	Tubing BB	2 7/8	31.88	4,875.0	4,906.9	L-80	6.50
1	Half Mule Shoe	2 7/8	0.40	4,906.9	4,907.3		

Casing Strings

Surface, 387.3ftKB

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	387.3		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	316.15
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

Intermediate, 2,621.9ftKB

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	31.2	2,621.9		8.92

Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
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	64	9 5/8	8.92	36.00	J-55	2,541.46
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	39.64
Float Shoe	1	9 5/8	8.92	36.00	J-55	1.90

Production, 11,406.0ftKB

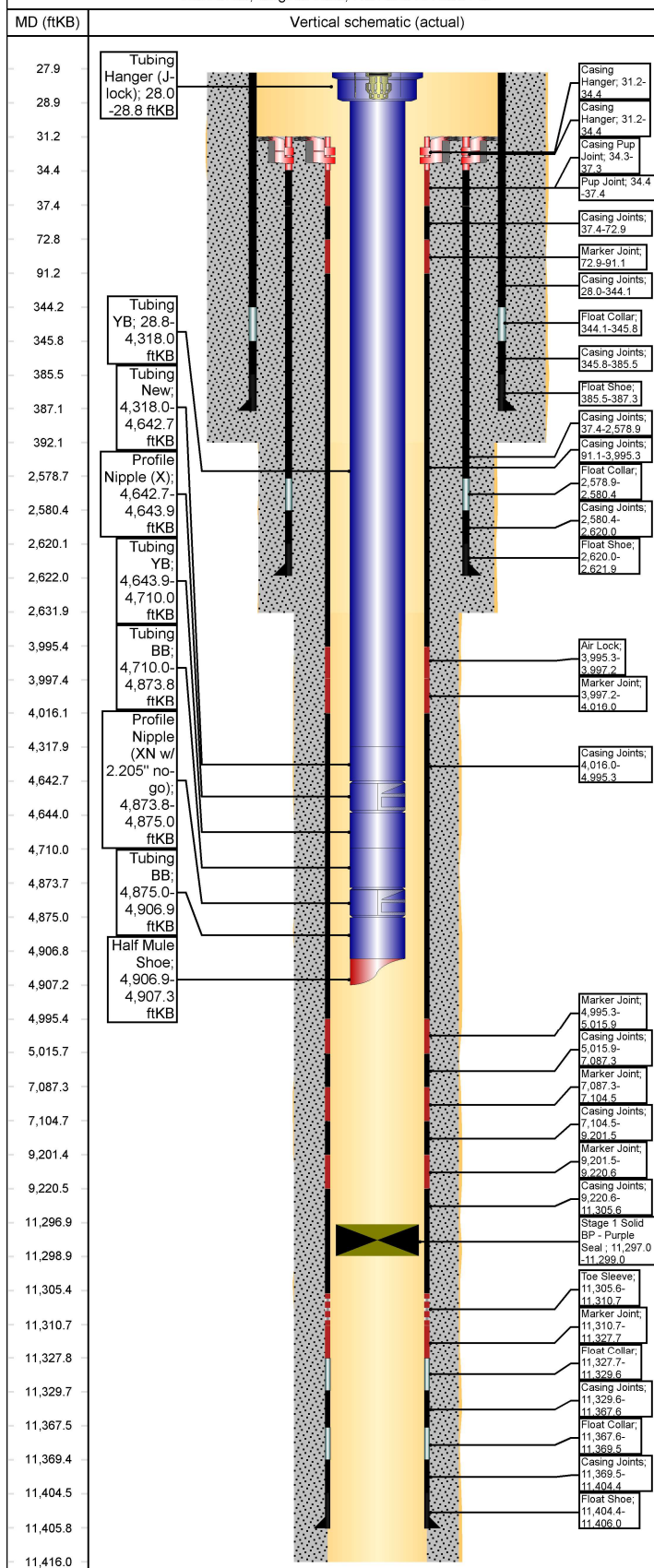
Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
Production	5 1/2	17.00	P-110	31.2	11,406.0		4.89

Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Marker Joint	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	1	5 1/2	4.89	17.00	P-110	35.55

WellView®**Wellbore Schematic - Components and Cement****Well Name: GREATER LYBROOK UNIT 861H (fka W LYBROOK)**

Horizontal, Original Hole, 7/5/2023 2:44:30 PM

**Casing Components**

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Marker Joint	1	5 1/2	4.89	17.00	P-110	18.23
Casing Joints	104	5 1/2	4.89	17.00	P-110	3,904.17
Air Lock	1	5 1/2	4.89	17.00	P-110	1.92
Marker Joint	1	5 1/2	4.89	17.00	P-110	18.80
Casing Joints	26	5 1/2	4.89	17.00	P-110	979.24
Marker Joint	1	5 1/2	4.89	17.00	P-110	20.62
Casing Joints	56	5 1/2	4.89	17.00	P-110	2,071.45
Marker Joint	1	5 1/2	4.89	17.00	P-110	17.20
Casing Joints	56	5 1/2	4.89	17.00	P-110	2,096.92
Marker Joint	1	5 1/2	4.89	17.00	P-110	19.11
Casing Joints	56	5 1/2	4.89	17.00	P-110	2,085.03
Toe Sleeve	1	5 1/2	4.89	17.00	P-110	5.10
Marker Joint	1	5 1/2	4.89	17.00	P-110	16.99
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	37.98
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	34.87
Float Shoe	1	5 1/2	4.89	17.00	P-110	1.63

Cement**Surface Casing Cement, Casing, 2/2/2022 16:20**

Description	String	Cementing Start Date	Cementing End Date
Surface Casing Cement	Surface, 387.3ftKB	2/2/2022 16:20	2/2/2022 17:50

Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	28.0	392.0	PJSM, test lines, pump 10 bbls FW spacer, 10 bbls Sapp sweep, 10 bbls FW spacer & 86 bbls Type III cmt (350 sxs) @ 14.6 PPG, drop plug & disp w/ 49 bbls H2O, Bump plug @ 530 psi, circ 49 bbls good cmt to surface

Intermediate Casing Cement, Casing, 3/15/2022 11:30

Description	String	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	Intermediate, 2,621.9ftKB	3/15/2022 11:30	3/15/2022 14:22

Cement Stages

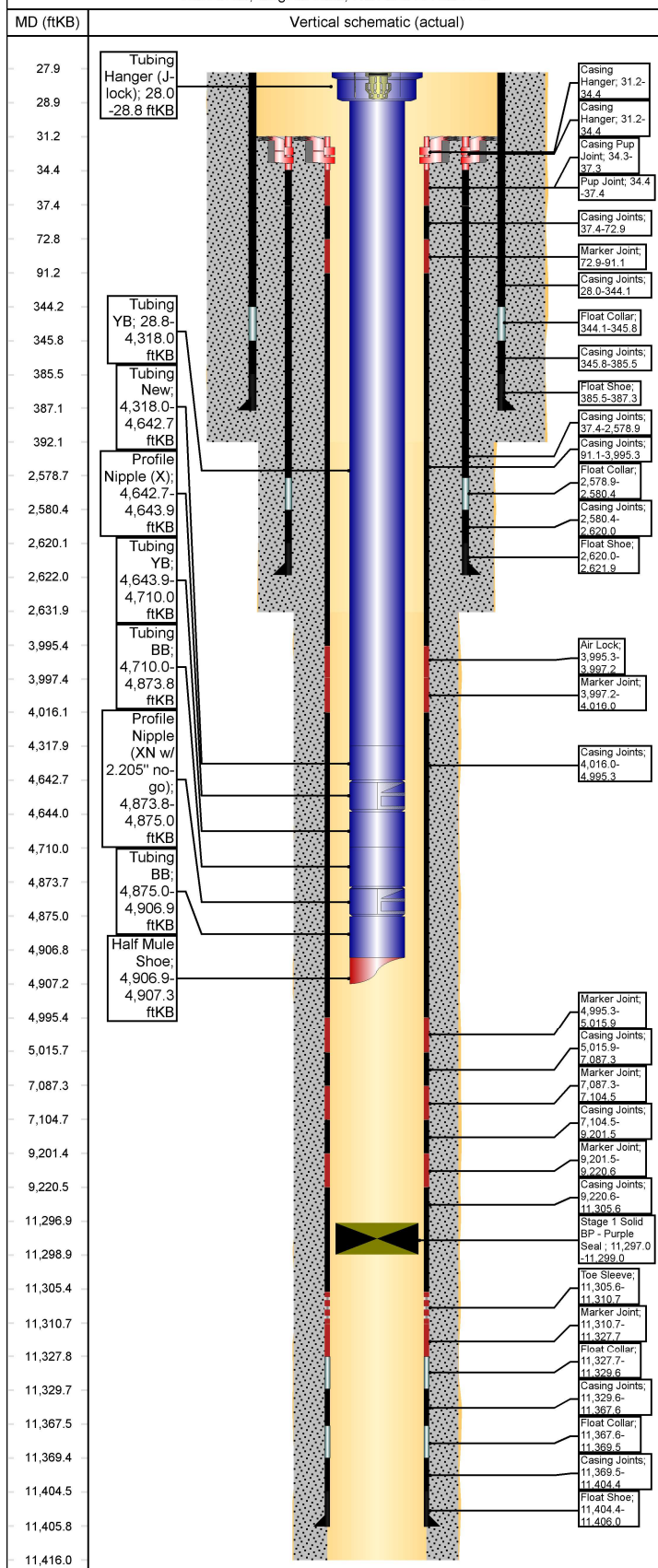
Stg #	Top (ftKB)	Btm (ftKB)	Com
1	31.2	2,632.0	Cement Offline as follows: PJSM with Drake Energy Services. Pressure tested lines to 2500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 193 bbls (506 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. 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)

Production Casing Cement, Casing, 3/31/2022 03:15

Description	String	Cementing Start Date	Cementing End Date
Production Casing Cement	Production, 11,406.0ftKB	3/31/2022 03:15	3/31/2022 07:09

Well Name: GREATER LYBROOK UNIT 861H (fka W LYBROOK)

Horizontal, Original Hole, 7/5/2023 2:44:32 PM



Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	31.2	11,416.0	<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 ft3/sk, 13.4 gal H2O/sk. Pumped Tail Cement: 336.7 bbls (1209 sx) Class G Cement at 13.3 ppg, 1.56 ft3/sk, 7.7 gal H2O/sk. Washed lines, dropped plug & 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	Original Hole

Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Surface	17 1/2	28.0	392.0
Intermediate	12 1/4	392.0	2,632.0
Production	8 1/2	2,632.0	11,416.0

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 258673

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 258673
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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