

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. **N0G14031908**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 **1050 17TH STREET SUITE 2500, DENVER, CO** 3b. Phone No. (include area code)
(303) 573-12224. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 8/T23N/R8W/NMP7. If Unit of CA/Agreement, Name and/or No.
NMNM135216A8. Well Name and No. **W LYBROOK UNIT/711H**9. API Well No. **3004535809**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 completed a workover on the subject well to repair the gas lift completion. An updated schematic is attached.

Job Start: 03/14/2022

Job End: 03/16/2022

EOT: 5,540 MD

Packer: 5,376 MD

GL Mandrels: 5,333 MD

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

Signature

Date **04/12/2022****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

KENNETH G RENNICK / Ph: (505) 564-7742 / AcceptedTitle **Petroleum Engineer**Date **04/15/2022**

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.

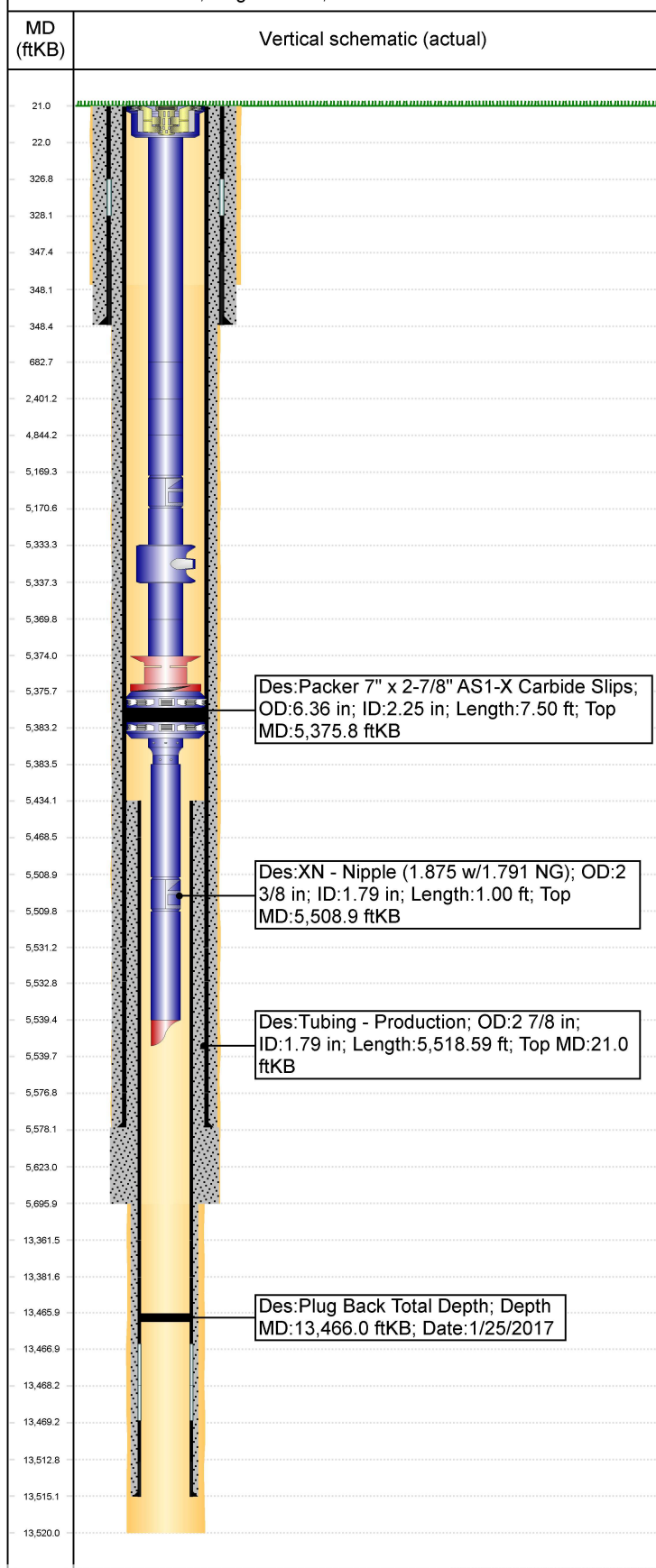
(Instructions on page 2)



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 711H
NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-35809	Surface Legal Location	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 6,844.01	KB-Tubing Head Distance (ft)	Spud Date 1/16/2017 20:30	Rig Release Date 1/25/2017 09:00	PBTD (All) (ftKB) Original Hole - 13,466.0	Total Depth All (TVD) (ftKB) Original Hole - 5,191.3

OIL, Original Hole, 4/1/2022 6:06:50 AM

Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	12 1/4	21.0		348.0	347.9
INTERMEDIATE	8 3/4	348.0	347.9	5,696.0	5,126.9
PRODUCTION	6 1/8	5,696.0	5,126.9	13,520.0	5,191.3

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 5,539.6ftKB on 3/16/2022 14:30

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing - Production	3/16/2022	5,518.59	5,539.6
Item Des	Jts	Grade	Wt (lb/ft)
		OD (in)	ID (in)
		Len (ft)	Top (ftKB)
			Btm (ftKB)
Tubing Hanger	1	J-55	
			6.36
			2.44
			0.80
			21.0
			21.8
Tubing - YB	20	J-55	6.50
			2 7/8
			2.44
			660.96
			21.8
			682.8
Tubing - BB	52	J-55	6.50
			2 7/8
			2.44
			1,718.44
			682.8
			2,401.2
Tubing - YB	74	J-55	6.50
			2 7/8
			2.44
			2,443.07
			2,401.2
			4,844.3
Tubing - NEW	10	J-55	6.50
			2 7/8
			2.44
			325.11
			4,844.3
			5,169.4
X - Nipple (2.31)	1	J-55	
			2 7/8
			2.31
			1.20
			5,169.4
			5,170.6
Tubing - NEW	5	J-55	6.50
			2 7/8
			2.44
			162.58
			5,170.6
			5,333.2
Gas Lift Valve - 1 - Screened Orifice	1	J-55	
			4.835
			2.44
			4.10
			5,333.2
			5,337.3
Tubing - NEW	1	J-55	6.50
			2 7/8
			2.44
			32.51
			5,337.3
			5,369.8
Tubing Pup Joint	1	L-80	6.50
			2 7/8
			2.44
			4.20
			5,369.8
			5,374.0
On-Off Tool - F-Profile Stinger (2.25)	1	L-80	
			5.85
			2.25
			1.80
			5,374.0
			5,375.8
Packer 7" x 2-7/8" AS1-X Carbide Slips	1	L-80	
			6.36
			2.25
			7.50
			5,375.8
			5,383.3
X-Over	1	J-55	
			2 7/8
			2.00
			0.40
			5,383.3
			5,383.7
Tubing - YB	4	J-55	4.70
			2 3/8
			2.00
			125.22
			5,383.7
			5,508.9
XN - Nipple (1.875 w/1.791 NG)	1	L-80	
			2 3/8
			1.79
			1.00
			5,508.9
			5,509.9
Tubing - YB	1	J-55	4.70
			2 3/8
			2.00
			29.30
			5,509.9
			5,539.2
Mule Shoe	1	J-55	
			2 3/8
			2.00
			0.40
			5,539.2
			5,539.6

SURFACE CASING, 348.4ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	ST&C	21.0	348.4
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing - CASING		10	305.71	21.0	326.7
Float Collar - CASING FLOAT COLLAR		1	1.48	326.7	328.2
Casing - SHOE JOINT		1	19.22	328.2	347.4
Casing Shoe - CASING FLOAT SHOE		1	1.00	347.4	348.4

INTERMEDIATE CASING, 5,578.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)	
7	23.00	J-55	LT&C	21.0	5,578.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing - CASING JOINT(S)			126	5,510.13	21.0	5,531.1
Casing Float Collar - CASING FLOAT COLLAR			1	1.60	5,531.1	5,532.7
Casing - SHOE JOINT			1	43.97	5,532.7	5,576.7
Casing Float Shoe - CASING FLOAT SHOE			1	1.30	5,576.7	5,578.0



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Original KB Elevation (ft) 6,844.01	KB-Tubing Head Distance (ft)	Spud Date 1/16/2017 20:30	Rig Release Date 1/25/2017 09:00	PBTD (All) (ftKB) Original Hole - 13,466.0	Total Depth All (TVD) (ftKB) Original Hole - 5,191.3

OIL, Original Hole, 4/1/2022 6:06:54 AM

PRODUCTION LINER #1, 13,515.2ftKB

MD (ftKB)	Vertical schematic (actual)	OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade P-110	Top Connection LT&C	Top (ftKB) 5,434.0	Set Depth (ftKB) 13,515.2
		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
		Liner Hanger - LINER HANGER	1	34.33	5,434.0	5,468.3	
		Casing - CASING JOINT(S)	180	7,893.24	5,468.3	13,361.6	
		Marker Joint - MARKER JOINT	1	19.94	13,361.6	13,381.5	
		Casing - CASING JOINT(S)	2	85.20	13,381.5	13,466.7	
		Float Collar - LANDING COLLAR	1	1.44	13,466.7	13,468.2	
		Float Collar - CASING FLOAT COLLAR	1	0.93	13,468.2	13,469.1	
		Casing - SHOE JOINT	1	43.78	13,469.1	13,512.9	
		Casing Shoe - CASING FLOAT SHOE	1	2.29	13,512.9	13,515.2	
		Cement					
		Description SURFACE CASING	Cementing Start Date 12/15/2016		Cementing End Date 12/15/2016		
		Comment Pump 10 bbls FW spacer, dump 28.9 bbls (101 sxs) Type I-II cmt w/ 20% flyash @ 14.5 PPG into casing, drop plug & disp w/ 23.6 bbls H2O, bump plug @ 200 psi, circ 8 bbls good cmt to surface					
		Description INTERMEDIATE CASING	Cementing Start Date 1/20/2017		Cementing End Date 1/20/2017		
		Comment "Cement 7"Casing with 80% excess on Lead/Tail figured (Halliburton Services) 5,200 Psi Test on Lines Mud Flush @ 8.3# {10 BBLS }, followed by Chem Wash @ 8.4# {20 BBLS }, followed by Lead Cement @ 12.3#, YD1.95 { 161.5 BBLS/465 sks Halcem} followed by Tail Cement @ 13.5# YD 1.3 { 113.4 BBLS/490 SKS Varicem } Displace W/ FW Totalling 218 Bbls Land Plug 1890 PSI & Bump up to 2,500 PSI & Hold 5 min Floats Held got 2 Bbl Back on Bleed off 47 bbls good cement back to surface. Plug Down 01/20/2017 15:28hrs BLM rep on location					
		Description PRODUCTION LINER #1	Cementing Start Date 1/23/2017		Cementing End Date 1/23/2017		
		Comment Pick up Baker Rotateable Cement Head, Space Out in Tension. Circulate Bottoms up (4bbls/min), Drop Ball & Pump to Seat, 2500 psi Set HMC Hanger & Release off. 183 Jts & 1 Marker Pup of 4.5" 11.6#, P-110 LT&C Casing Liner is Set TOL 5,434'MD (5,077'TVD) thru lateral to 13,515'MD (5,188'TVD) Alpha sleeve @ NONE Plug Latch @ 13,466'MD Float @ 13,468'MD Cement 4.5"Casing Liner with 30% excess figured (Halliburton Services) 6,200 Psi Test on Lines Flush Water @ 8.3# {10 BBLS }, followed by Tuned Spacer @ 11.5# {40 BBLS }, followed by Primary Cement(Extendacem) mixed @ 13.3# YD 1.36, 6.01 Water, { 176.8 Bbls/730 sks class C}, wash pumps and lines, drop plug and displace w/ { 40 Bbls MMCR & 80 Bbls of 2% KCL, 10 bbls fresh water & 42 bbls KCL, total 172 } Land Plug @ 19:10 1/24/2017 press up t/ 2900 PSI, Press prior 2200 PSI, held 5 min, Bled back 1.5 bbls floats held. Sting out of LH, Set back down multiple times to pack off, shut Annular, press up annulus 1000 psi 5 min, held OK, Bled off. Open Annular pressure up and sting out completely roll hole w/ KCL, bypass Tuned spacer and cement to catch tank. 30 bbls cmt returned to surface. rinse out stack while washing up truck. Rig down HES.					

Des:Packer 7" x 2-7/8" AS1-X Carbide Slips;
OD:6.36 in; ID:2.25 in; Length:7.50 ft; Top
MD:5,375.8 ftKBDes:XN - Nipple (1.875 w/1.791 NG); OD:2
3/8 in; ID:1.79 in; Length:1.00 ft; Top
MD:5,508.9 ftKBDes:Tubing - Production; OD:2 7/8 in;
ID:1.79 in; Length:5,518.59 ft; Top MD:21.0
ftKBDes:Plug Back Total Depth; Depth
MD:13,466.0 ftKB; Date:1/25/2017

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

COMMENTS

Action 104686

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 104686
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

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
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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/7/2022