

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

8/10/2020

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. N0G14031948
2. Name of Operator ENDURING RESOURCES LLC		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
Contact: HEATHER HUNTINGTON E-Mail: hhuntington@enduringresources.com		7. If Unit or CA/Agreement, Name and/or No. NMNM135216A
3a. Address 1050 17TH STREET SUITE 2500 DENVER, CO 80265	3b. Phone No. (include area code) Ph: 505-636-9751	8. Well Name and No. W LYBROOK UNIT 718H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T23N R9W 1824FSL 607FEL 36.224667 N Lat, 107.751305 W Lon		9. API Well No. 30-045-35774-00-S1
		10. Field and Pool or Exploratory Area LYBROOK MANCOS W
		11. County or Parish, State SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
<i>BP</i>	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Workover Operations	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplate 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 recomplate 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 workover to modify the gas-lift completion. An updated schematic is attached.

Job Start: 07/30/2020
Job End: 07/31/2020
EOT: 4,780? MD
Packer: 4,641? MD
GLVs: 2

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #524455 verified by the BLM Well Information System For ENDURING RESOURCES LLC, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 08/07/2020 (20JK0335SE)	
Name (Printed/Typed) HEATHER HUNTINGTON	Title PERMITTING TECHNICIAN
Signature (Electronic Submission)	Date 08/06/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOE KILLINS Title PETROLEUM ENGINEER	Date 08/07/2020
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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #524455

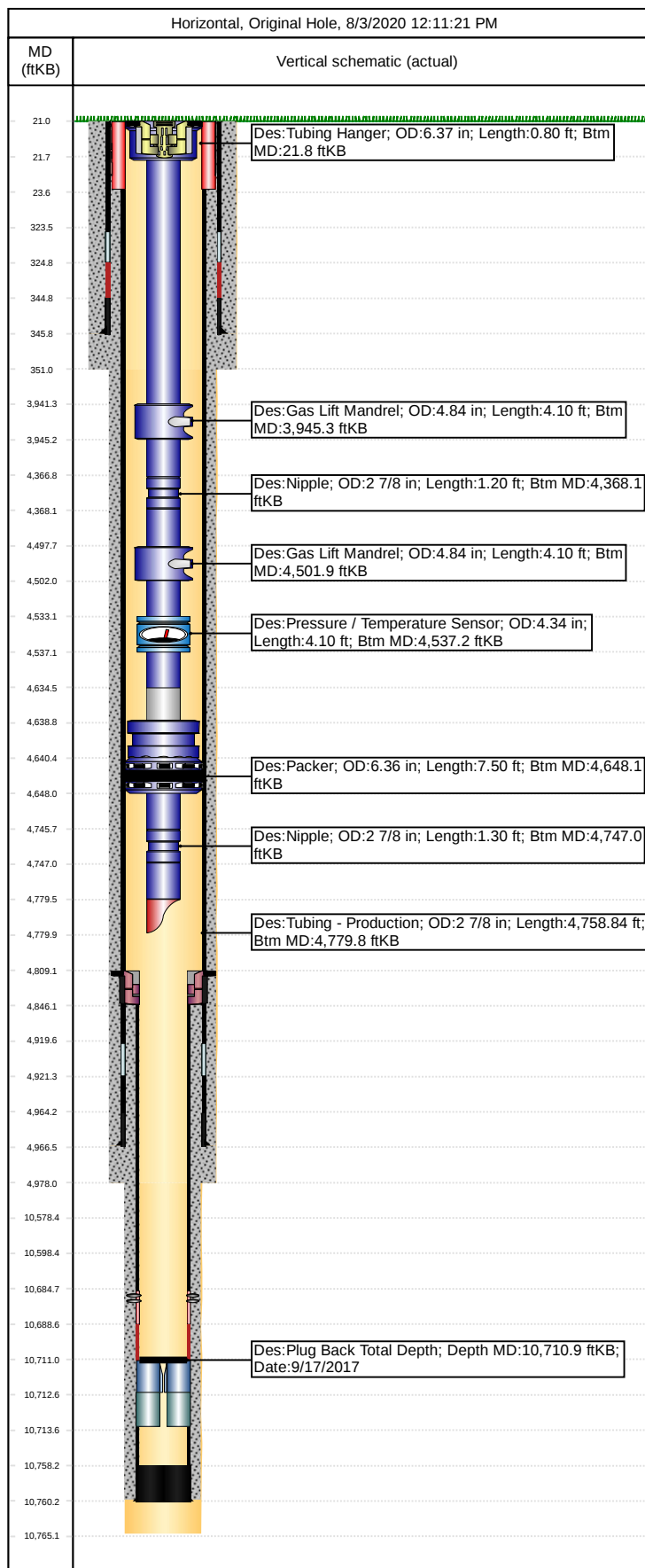
	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	WRK SR	WRK SR
Lease:	N0G14031948	N0G14031948
Agreement:		NMNM135216A (NMNM135216A)
Operator:	ENDURING RESOURCES 200 ENERGY COURT FARMINGTON, NM 87401 Ph: 505-636-9751	ENDURING RESOURCES LLC 1050 17TH STREET SUITE 2500 DENVER, CO 80265 Ph: 5053868205
Admin Contact:	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751	HEATHER HUNTINGTON PERMITTING TECHNICAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751
Tech Contact:	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751	HEATHER HUNTINGTON PERMITTING TECHNICAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751
Location: State: County:	NM SAN JUAN	NM SAN JUAN
Field/Pool:	LYBROOK MANCOS W	LYBROOK MANCOS W
Well/Facility:	W LYBROOK UNIT 718H Sec 14 T23N R9W 1824FSL 607FEL	W LYBROOK UNIT 718H Sec 14 T23N R9W 1824FSL 607FEL 36.224667 N Lat, 107.751305 W Lon



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 718H

API/UWI 30-045-35774	Surface Legal Location T23N - R09W - Sec. 14	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,740.01	KB-Tubing Head Distance (ft)	Spud Date 9/6/2017 06:30	Rig Release Date 9/15/2017 03:00	PBTD (All) (ftKB) Original Hole - 10,710.9	Total Depth All (TVD) (ftKB) Original Hole - 4,388.9



Wellbore Sections								
Section Description SURFACE	Size (in) 12 1/4	Act Top (ft...) 21.0	Act Top (T...) 351.0	Act Btm (ft...) 351.0	Act Btm (T...) 350.9			
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft...) 351.0	Act Top (T...) 350.9	Act Btm (ft...) 4,978.0	Act Btm (T...) 4,354.1			
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft...) 4,978.0	Act Top (T...) 4,354.1	Act Btm (ft...) 10,765.0	Act Btm (T...) 4,388.9			
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 4,779.8ftKB on 7/31/2020 11:00								
Tubing Description Tubing - Production	Run Date 7/31/2020		String Length (ft) 4,758.84			Set Depth (ftKB) 4,779.8		
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			6.366	2.44	0.80	21.0	21.8
Tubing	120	J-55	6.50	2 7/8	2.44	3,919.41	21.8	3,941.2
Gas Lift Mandrel	1			4.835	2.44	4.10	3,941.2	3,945.3
Tubing	13	L-80	6.50	2 7/8	2.44	421.56	3,945.3	4,366.9
Nipple	1			2 7/8	2.31	1.20	4,366.9	4,368.1
Tubing	4	J-55	6.50	2 7/8	2.44	129.77	4,368.1	4,497.8
Gas Lift Mandrel	1			4.835	2.44	4.10	4,497.8	4,501.9
Tubing	1	J-55	6.50	2 7/8	2.44	31.12	4,501.9	4,533.1
Pressure / Temperature Sensor	1			4.335	2.44	4.10	4,533.1	4,537.2
Tubing	3	L-80	6.50	2 7/8	2.44	97.33	4,537.2	4,634.5
Tubing Pup Joint	1			2 7/8	2.44	4.20	4,634.5	4,638.7
On-Off Tool	1			6	2.25	1.87	4,638.7	4,640.6
Packer	1			6.36	2.44	7.50	4,640.6	4,648.1
Tubing	3	L-80	6.50	2 7/8	2.44	97.63	4,648.1	4,745.7
Nipple	1			2 7/8	2.10	1.30	4,745.7	4,747.0
Tubing	1	L-80	6.50	2 7/8	2.44	32.45	4,747.0	4,779.4
Mule Shoe	1			2 7/8	0.75	0.40	4,779.4	4,779.8
SURFACE CASING, 345.8ftKB								
OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection ST&C			Top (ftKB) 21.0	Set Depth (ftKB) 345.8	
Item Des			Jts	Len (ft)		Top (ftKB)	Btm (ftKB)	
Casing Joints			14	302.68		21.0	323.6	
Float Collar			1	1.15		323.6	324.8	
Casing Pup Joint			1	19.95		324.8	344.7	
Float Shoe			1	1.05		344.7	345.8	
INTERMEDIATE CASING, 4,966.4ftKB								
OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection LT&C			Top (ftKB) 21.0	Set Depth (ftKB) 4,966.4	
Item Des			Jts	Len (ft)		Top (ftKB)	Btm (ftKB)	
Casing Hanger			1	2.50		21.0	23.5	
Casing Joints			113	4,896.29		23.5	4,919.8	
Float Collar			1	1.60		4,919.8	4,921.4	
Casing Joints			1	43.02		4,921.4	4,964.4	
Float Shoe			1	2.00		4,964.4	4,966.4	
PRODUCTION LINER #1, 10,760.3ftKB								
OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade P-110	Top Connection LT&C			Top (ftKB) 4,808.9	Set Depth (ftKB) 10,760.3	
Item Des			Jts	Len (ft)		Top (ftKB)	Btm (ftKB)	
Liner Hanger			1	37.32		4,808.9	4,846.3	
Casing Joints			130	5,732.29		4,846.3	10,578.6	
Casing Joints			1	19.87		10,578.6	10,598.4	
Casing Joints			2	86.43		10,598.4	10,684.9	
Frac Sleeve			1	3.74		10,684.9	10,688.6	



Enduring Resources IV - Production WBD

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API/UWI 30-045-35774	Surface Legal Location T23N - R09W - Sec. 14	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,740.01	KB-Tubing Head Distance (ft)	Spud Date 9/6/2017 06:30	Rig Release Date 9/15/2017 03:00	PBTD (All) (ftKB) Original Hole - 10,710.9	Total Depth All (TVD) (ftKB) Original Hole - 4,388.9

Horizontal, Original Hole, 8/3/2020 12:11:21 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Casing Pup Joint	1	22.32	10,688.6	10,710.9
		Plug Landing Collar	1	1.59	10,710.9	10,712.5
		Float Collar	1	0.97	10,712.5	10,713.5
		Casing Joints	1	44.60	10,713.5	10,758.1
		Float Shoe	1	2.24	10,758.1	10,760.3
Cement						
Description		Cementing Start Date		Cementing End Date		
SURFACE CASING		4/5/2017		4/5/2017		
Comment						
Pump 10 bbls FW spacer, dump 28.9 bbls (101 sxs) Type I-II cmt w/ 20% flyash @ 14.8 PPG into casing, drop plug & disp w/ 23.4 bbls H2O, bump plug @ 200 psi, circ 10 bbls good cmt to surface Check float, float held						
Description		Cementing Start Date		Cementing End Date		
INTERMEDIATE CASING		9/8/2017		9/8/2017		
Comment						
~RIG OFFLINE~ Circulated and conditioned mud to prepare for cement.						
~ Rig Offline - Cement with Halliburton { 70% excess on 8 7/8 Total Hole Figured, added to Lead Volume } 5,200 Psi Test on Pumps & Lines Fresh Water Spacer @ 8.3# {10 Bbls }, followed by Tuned Spacer ~III~Mixed @ 11.5 ppg {30 Bbls }, followed by Lead Cement @ 12.3# YD-1.95, Water 10.36 gal/sx { 400 sks/139 Bbls HALCEM ® } followed by Tail Cement @ 13.5# YD-1.3 water 5.81 gal/sx { 445 sks/104 Bbls of VARICEM ® } Displace W/ Fresh H2o Totaling 192.5 Bbls Plug landed at 04:47, 9/8/2017, press up t/ 2,242 psi, press prior 1753 psi 1.5 Bbl Back on Bleed off / Floats Held 95 bbls good cement back to surface. Rinse truck and lines, rig down HES.						
Description		Cementing Start Date		Cementing End Date		
PRODUCTION LINER #1		9/14/2017		8/14/2017		
Comment						
Cement 4.5" Casing Liner with 35% excess figured (Halliburton Services) 5,000 Psi Test on Lines Flush Water @ 8.3# {10 BBLs }, followed by Tuned Spacer @ 11.5# {40 BBLs }, followed by Primary Cement @ 13.3# { 135.6 Bbls/560 sks ExtendaCem ® } followed by Displacement Totaling 135 Bbls { 40 Bbls MMCR & 95Bbls of 2% KCL } Land Plug 1590 PSI & Bump up to 2700 PSI & Hold 5 min Floats Held got 1.5 Bbl Back on Bleed off Plug Down 9/14/2017 18:29hrs Circ Out 35 Bbl Good Cement to Surface						

21.0						
21.7						
23.6						
323.5						
324.8						
344.8						
345.8						
351.0						
3,941.3						
3,945.2						
4,366.8						
4,368.1						
4,497.7						
4,502.0						
4,533.1						
4,537.1						
4,634.5						
4,638.8						
4,640.4						
4,648.0						
4,745.7						
4,747.0						
4,779.5						
4,779.9						
4,809.1						
4,846.1						
4,919.6						
4,921.3						
4,964.2						
4,966.5						
4,978.0						
10,578.4						
10,598.4						
10,684.7						
10,688.6						
10,711.0						
10,712.6						
10,713.6						
10,758.2						
10,760.2						
10,765.1						

Des: Tubing Hanger; OD:6.37 in; Length:0.80 ft; Btm MD:21.8 ftKB

Des: Gas Lift Mandrel; OD:4.84 in; Length:4.10 ft; Btm MD:3,945.3 ftKB

Des: Nipple; OD:2 7/8 in; Length:1.20 ft; Btm MD:4,368.1 ftKB

Des: Gas Lift Mandrel; OD:4.84 in; Length:4.10 ft; Btm MD:4,501.9 ftKB

Des: Pressure / Temperature Sensor; OD:4.34 in; Length:4.10 ft; Btm MD:4,537.2 ftKB

Des: Packer; OD:6.36 in; Length:7.50 ft; Btm MD:4,648.1 ftKB

Des: Nipple; OD:2 7/8 in; Length:1.30 ft; Btm MD:4,747.0 ftKB

Des: Tubing - Production; OD:2 7/8 in; Length:4,758.84 ft; Btm MD:4,779.8 ftKB

Des: Plug Back Total Depth; Depth MD:10,710.9 ftKB; Date:9/17/2017

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

CONDITIONS

Action 23442

CONDITIONS OF APPROVAL

Operator:	ENDURING RESOURCES, LLC	1050 17TH STREET, SUITE 2500	DENVER, CO80265	OGRID:	372286	Action Number:	23442	Action Type:	C-103R
OCD Reviewer	Condition								
ahvermersch	None								