

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.5. Lease Serial No.
NMNM33003

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM133482A8. Well Name and No.
NW LYBROOK UNIT 289H9. API Well No.
30-045-35529-00-S110. Field and Pool or Exploratory Area
NW LYBROOK UNIT HZ

11. County or Parish, State

SAN JUAN COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENDURING RESOURCES LLC

Contact: HEATHER HUNTINGTON

E-Mail: hhuntington@enduringresources.com

3a. Address

1050 17TH STREET SUITE 2500
DENVER, CO 80265

3b. Phone No. (include area code)

Ph: 505-636-9751

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T24N R8W SWSW 0255FSL 0374FWL
36.278733 N Lat, 107.641090 W Lon

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	Workover Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ 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 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 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: 08/17/2020
Job End: 08/18/2020
EOT: 6,057? MD
Packer: 5,851? MD
GLVs: 1

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #526400 verified by the BLM Well Information System
For ENDURING RESOURCES LLC, sent to the Farmington
Committed to AFMSS for processing by JOHN HOFFMAN on 08/25/2020 (20JH0192SE)**

Name (Printed/Typed) HEATHER HUNTINGTON

Title PERMITTING TECHNICIAN

Signature (Electronic Submission)

Date 08/19/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJOHN HOFFMAN
Title PETROLEUM ENGINEER

Date 08/25/2020

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 #526400

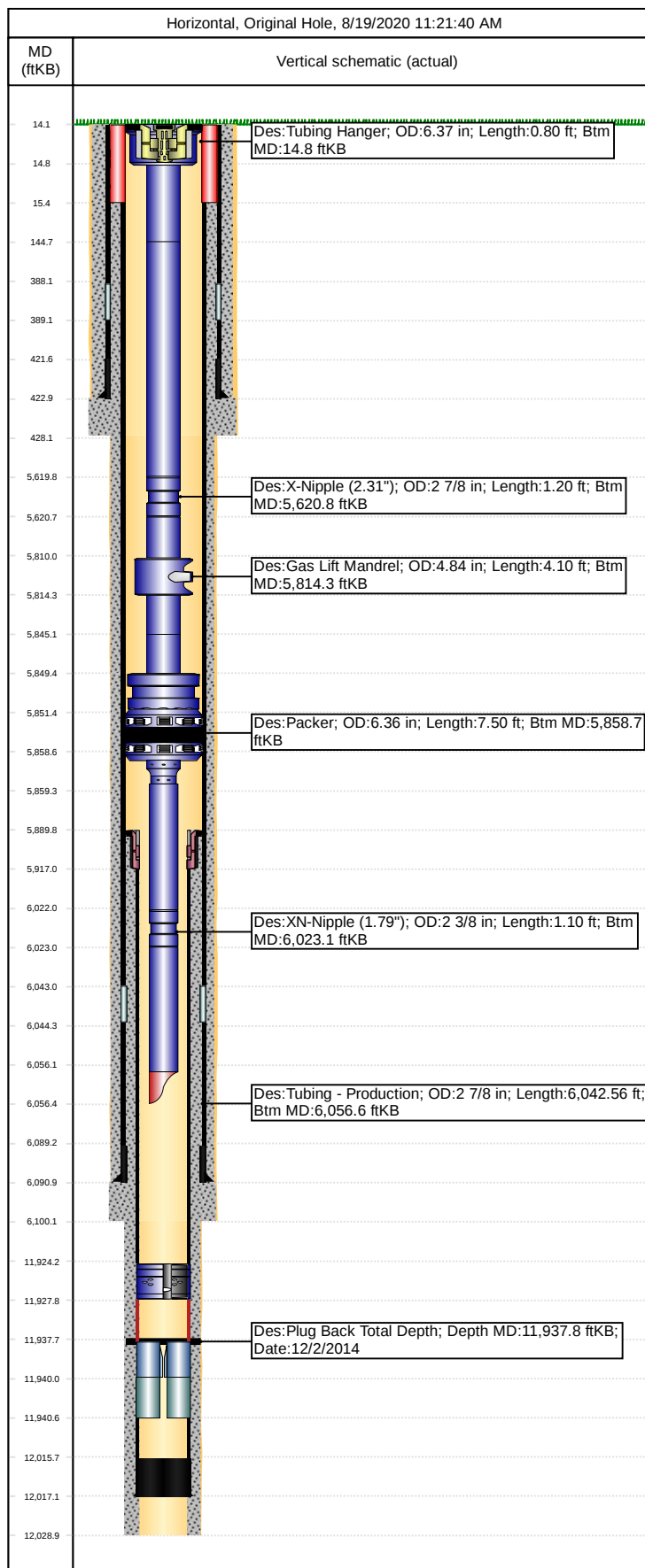
	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	WRK SR	WRK SR
Lease:	NMNM33003	NMNM33003
Agreement:		NMNM133482A (NMNM133482A)
Operator:	ENDURING RESOURCES 200 ENERGY COURT FARMINGTON, NM 87401 Ph: 505-636-9751	ENDURING RESOURCES LLC 1050 17TH STREET SUITE 2500 DENVER, CO 80265 Ph: 5053868205
Admin Contact:	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751	HEATHER HUNTINGTON PERMITTING TECHNICIAN 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 TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751
Location: State: County:	NM SAN JUAN	NM SAN JUAN
Field/Pool:	LYBROOK UNIT NW HZ OIL	NW LYBROOK UNIT HZ
Well/Facility:	NW LYBROOK UNIT 289H Sec 25 T24N R8W 255FSL 374FWL	NW LYBROOK UNIT 289H Sec 25 T24N R8W SWSW 0255FSL 0374FWL 36.278733 N Lat, 107.641090 W Lon



Enduring Resources IV - Production WBD

Well Name: NW LYBROOK UNIT 289H

API/UWI 30-045-35529	Surface Legal Location SWSW Sec.25 T24N R08W	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,860.00	KB-Tubing Head Distance (ft)	Spud Date 11/19/2014 07:30	Rig Release Date 12/2/2014 20:00	PBTD (All) (ftKB) Original Hole - 11,937.8	Total Depth All (TVD) (ftKB) Original Hole - 5,492.3



Wellbore Sections								
Section Description SURFACE	Size (in) 12 1/4	Act Top (ft... 14.0	Act Top (T... 14.0	Act Btm (ft... 428.0	Act Btm (T... 428.0			
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft... 428.0	Act Top (T... 428.0	Act Btm (ft... 6,100.0	Act Btm (T... 5,549.4			
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft... 6,100.0	Act Top (T... 5,549.4	Act Btm (ft... 12,029.0	Act Btm (T... 5,492.3			
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 6,056.6ftKB on 8/18/2020 14:30								
Tubing Description Tubing - Production	Run Date 8/18/2020		String Length (ft) 6,042.56		Set Depth (ftKB) 6,056.6			
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	14.0	14.8
Tubing	4	L-80	6.50	2 7/8	2.44	129.92	14.8	144.7
Tubing	172	J-55	6.50	2 7/8	2.44	5,474.89	144.7	5,619.6
X-Nipple (2.31")	1			2 7/8	2.31	1.20	5,619.6	5,620.8
Tubing	6	J-55	6.50	2 7/8	2.44	189.35	5,620.8	5,810.2
Gas Lift Mandrel	1			4.835	2.44	4.10	5,810.2	5,814.3
Tubing	1	J-55	6.50	2 7/8	2.44	30.90	5,814.3	5,845.2
Tubing	1	J-55	6.50	2 7/8	2.44	4.20	5,845.2	5,849.4
On-Off Tool	1			6	2.25	1.87	5,849.4	5,851.2
Packer	1			6.36	2.44	7.50	5,851.2	5,858.7
Cross Over	1			2 7/8	2.00	0.40	5,858.7	5,859.1
Tubing	5	J-55	4.70	2 3/8	2.00	162.90	5,859.1	6,022.0
XN-Nipple (1.79")	1			2 3/8	1.79	1.10	6,022.0	6,023.1
Tubing	1	J-55	4.70	2 3/8	2.00	33.03	6,023.1	6,056.2
Mule Shoe	1			2 3/8	1.00	0.40	6,056.2	6,056.6
SURFACE CASING, 423.0ftKB								
OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C		Top (ftKB) 14.0	Set Depth (ftKB) 423.0		
Item Des	Jts	Len (ft)		Top (ftKB)	Btm (ftKB)			
Casing Joints	13	374.23		14.0	388.2			
Float Collar	1	0.90		388.2	389.1			
Casing Joints	1	32.45		389.1	421.6			
Float Shoe	1	1.42		421.6	423.0			
INTERMEDIATE CASING, 6,090.9ftKB								
OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection 8RD		Top (ftKB) 14.0	Set Depth (ftKB) 6,090.9		
Item Des	Jts	Len (ft)		Top (ftKB)	Btm (ftKB)			
Casing Hanger	1	1.50		14.0	15.5			
Casing Joints	134	6,027.36		15.5	6,042.8			
Float Collar	1	1.35		6,042.8	6,044.2			
Casing Joints	1	45.19		6,044.2	6,089.4			
Float Shoe	1	1.50		6,089.4	6,090.9			
PRODUCTION LINER #1, 12,017.0ftKB								
OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade P-110	Top Connection 8RD		Top (ftKB) 5,889.7	Set Depth (ftKB) 12,017.0		
Item Des	Jts	Len (ft)		Top (ftKB)	Btm (ftKB)			
Liner Hanger	1	27.16		5,889.7	5,916.8			
Casing Joints	157	6,007.52		5,916.8	11,924.4			
Frac Sleeve	1	3.35		11,924.4	11,927.7			
Casing Pup Joint	1	10.05		11,927.7	11,937.8			
Landing Collar	1	2.08		11,937.8	11,939.8			
Float Collar	1	0.90		11,939.8	11,940.7			
Casing Joints	2	75.05		11,940.7	12,015.8			
Guide Shoe	1	1.25		12,015.8	12,017.0			



Enduring Resources IV - Production WBD

Well Name: NW LYBROOK UNIT 289H

API/UWI 30-045-35529	Surface Legal Location SWSW Sec.25 T24N R08W	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,860.00	KB-Tubing Head Distance (ft)	Spud Date 11/19/2014 07:30	Rig Release Date 12/2/2014 20:00	PBTD (All) (ftKB) Original Hole - 11,937.8	Total Depth All (TVD) (ftKB) Original Hole - 5,492.3

Horizontal, Original Hole, 8/19/2020 11:21:40 AM		Cement		
MD (ftKB)	Vertical schematic (actual)	Description	Cementing Start Date	Cementing End Date
		SURFACE CASING	4/29/2014	4/29/2014
		Comment Pump 10 bbls FW spacer & 51 bbls Type G cmt (245 sxs) @ 15.8 PPG. Drop plug & disp w/ 30 bbls H2O. Bump plug @ 208 psi. Circ 23 bbls good cmt to surface.		
		INTERMEDIATE CASING	11/26/2014	11/26/2014
		Comment CMT 7" CSG W/ CHEM FLUSH @ 8.1# { 10 BBLS WATER +40 BBLS CHEM SPACER,+ 10 BBLS WATER } FOLLOWED BY SPACER @ 11.5# { 20 BBLS/52 SACKS OF ELASTISEAL SCAVENGER } FOLLOWED BY N2 FOAMED LEAD @ 13# { 204 BBLS/795 SACKS OF ELASTISEAL SYSTEM } FOLLOWED BY TAIL @ 13.5# { 23.5 BBLS/100 SACKS OF HALCEM SYSTEM DISPLACE W/ 9.6 #DRILL MUD 238.5 /BBLS. BUMP TO 1,735 PSI AND HOLD.FLOATS HELD-1.5 BBL BACK ON BLEED OFF: PLUG DOWN 07:18 HRS 45BBLS FOAMED CMT RETURNED BACK TO SURFACE. DOWN BACKSIDE BULLHEAD PUMPED A 100SKS/20.5 BBL 15.8# HALCEM SYSTEM CAP		
		PRODUCTION LINER #1	12/2/2014	12/2/2014
		Comment CMT 4.5 LINER W/ 10 BBLS WATER +40 BBLS CHEM SPACER,+ LEAD CAP @ 13# { 10.4BBLS/40SKS OF ELASTISEAL SYSTEM } FOLLOWED BY NITROGEN FOAMED LEAD @ 13# { 84.6 BBL/330SKS OF ELASTISEAL SYSTEM }, FOLLOWED BY TAIL @ 13.5# { 23 BBL/100SKS OF EXPANDACEM SYSTEM }, DISPLACE W/ 2%KCL 144/BBLS. BUMP TO 2000 PSI AND HOLD.FLOATS HELD-1 BBL BACK ON BLEED OFF - SET HANGER @ 4,600 PSI AND RELEASE OUT AND WASH BACK W/ 180BBLS 2% KCL - 25 BBLS CEMENT RETURNED TO SURFACE: PLUG DOWN 8:30 HRS RELEASE FROM VERSAFLEX HANGER SETTING CSG LINER TOP @ 5,889' {5,510' TVD } to 12,017' { 5,491' TVD }. PSI TEST VERSAFLEX HANGER SEALS AND 4.5 CSG 1,500 PSI FOR 30 MIN, TESTED GOOD AND RECORDED ON HALLIBURTON CHART.		
14.1		Des:Tubing Hanger; OD:6.37 in; Length:0.80 ft; Btm MD:14.8 ftKB		
14.8				
15.4				
144.7				
388.1				
389.1				
421.6				
422.9				
428.1				
5,619.8				
5,620.7		Des:X-Nipple (2.31"); OD:2 7/8 in; Length:1.20 ft; Btm MD:5,620.8 ftKB		
5,810.0		Des:Gas Lift Mandrel; OD:4.84 in; Length:4.10 ft; Btm MD:5,814.3 ftKB		
5,814.3				
5,845.1				
5,849.4				
5,851.4		Des:Packer; OD:6.36 in; Length:7.50 ft; Btm MD:5,858.7 ftKB		
5,858.6				
5,859.3				
5,889.8				
5,917.0				
6,022.0		Des:XN-Nipple (1.79"); OD:2 3/8 in; Length:1.10 ft; Btm MD:6,023.1 ftKB		
6,023.0				
6,043.0				
6,044.3				
6,056.1				
6,056.4		Des:Tubing - Production; OD:2 7/8 in; Length:6,042.56 ft; Btm MD:6,056.6 ftKB		
6,089.2				
6,090.9				
6,100.1				
11,924.2				
11,927.8				
11,937.7		Des:Plug Back Total Depth; Depth MD:11,937.8 ftKB; Date:12/2/2014		
11,940.0				
11,940.6				
12,015.7				
12,017.1				
12,028.9				

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 22129

CONDITIONS OF APPROVAL

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO80265				OGRID: 372286	Action Number: 22129	Action Type: C-103R
OCD Reviewer				Condition		
ksimmons				None		