

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. **N0G13121862**

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 LLC3a. Address **200 ENERGY COURT, FARMINGTON, NM 8740**3b. Phone No. (include area code)
(505) 497-8574

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

Greater Lybrook/NMNM144419X

8. Well Name and No.

GREATER LYBROOK UNIT/720H9. API Well No. **3004538260**

10. Field and Pool or Exploratory Area

LYBROOK MANCOS W/LYBROOK MANCOS W

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

SEC 23/T23N/R09W/NMP

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				
☐ 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	
	☐ 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 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: 5,243 MD

Packer: None

GLVs: None

Orifice Valve: none - EOT

Job Start: 6/27/2023

Job End: 6/28/2023

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

HEATHER HUNTINGTON / Ph: (505) 636-9751

Permitting Technician

Title

Signature

Date

07/26/2023**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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

Petroleum Engineer

Title

Date **07/26/2023**

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

API/UWI 30-045-38260		County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location (Unit J) NW/4, SE/4, Section 23, Twp 23N, Rng 09W, NMPM		
Spud Date 8/10/2021	On Production Date	Abandon Date	Ground Elevation (ft) 6,719.00	Original KB Elevation (ft) 6,747.00	Total Depth (All) (ftKB) Original Hole - 16,221.0	PBTD (All) (ftKB)

Horizontal. Original Hole. 7/6/2023 10:50:49 AM

MD (ftKB)	Vertical schematic (actual)
27.9	Tubing Hanger (1 piece); 28.0-28.8 ftKB
28.9	
29.9	
30.8	Casing Hanger; 30.0-33.2 Hanger; 30.8-34.0
33.1	Casing Pup Joint; 33.2-36.2 Pup Joint; 34.0-37.0
34.1	
36.1	
37.1	Casing Joints; 28.0-345.4
345.5	Float Collar; 345.4-347.0
347.1	Casing Joints; 347.0-387.0
386.8	Float Shoe; 387.0-388.8
388.8	
404.9	Casing Joints; 36.2-2,652.4
2,652.6	Casing Joints; 37.0-4,026.8
2,653.9	Float Collar; 2,652.4-2,653.7
2,693.2	Casing Joints; 2,653.7-2,693.4
2,694.9	Float Shoe; 2,693.4-2,695.0
2,714.9	
4,026.9	
4,028.5	Air Lock; 4,026.8-4,028.6
4,051.2	Marker Joint; 4,028.6-4,051.2
4,883.5	Casing Joints; 4,051.2-5,364.5
4,884.5	
5,209.0	
5,210.0	
5,242.5	
5,243.1	
5,364.5	Marker Joint; 5,364.5-5,387.1
5,387.1	Casing Joints; 5,387.1-7,480.7
7,480.6	Marker Joint; 7,480.7-7,502.2
7,502.3	Casing Joints; 7,502.2-9,650.6
9,650.6	Marker Joint; 9,650.6-9,673.1
9,673.2	Casing Joints; 9,673.1-11,817.1
11,816.9	Marker Joint; 11,817.1-11,839.7
11,839.9	Casing Joints; 11,839.7-13,956.8
13,956.7	Marker Joint; 13,956.8-13,979.3
13,979.3	Casing Joints; 13,979.3-16,091.5
16,091.5	Toe Sleeve; 16,091.5-16,096.6
16,096.5	Marker Joint; 16,096.6-16,119.1
16,119.1	Float Collar; 16,119.1-16,121.0
16,121.1	Casing Joints; 16,121.0-16,165.4
16,165.4	Float Collar; 16,165.4-16,167.3
16,167.3	Casing Joints; 16,167.3-16,209.3
16,209.3	Float Shoe; 16,209.4-16,211.0
16,211.0	
16,221.1	

String Description	String Length (ft)	Set Depth (ftKB)	Run Date
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Des	String	Top (ftKB)	Btm (ftKB)	Run Date

<des> on <dtmrun>			
Ref ID	Chromatogram (m/z)	Chromatogram (m/z)	Ref ID
1	100	100	1
2	100	100	2
3	100	100	3
4	100	100	4
5	100	100	5
6	100	100	6
7	100	100	7
8	100	100	8
9	100	100	9
10	100	100	10
11	100	100	11
12	100	100	12
13	100	100	13
14	100	100	14
15	100	100	15
16	100	100	16
17	100	100	17
18	100	100	18
19	100	100	19
20	100	100	20
21	100	100	21
22	100	100	22
23	100	100	23
24	100	100	24
25	100	100	25
26	100	100	26
27	100	100	27
28	100	100	28
29	100	100	29
30	100	100	30
31	100	100	31
32	100	100	32
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34	100	100	34
35	100	100	35
36	100	100	36
37	100	100	37
38	100	100	38
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43	100	100	43
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47	100	100	47
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53	100	100	53
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56	100	100	56
57	100	100	57
58	100	100	58
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62	100	100	62
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64	100	100	64
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66	100	100	66
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69	100	100	69
70	100	100	70
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87	100	100	87
88	100	100	88
89	100	100	89
90	100	100	90
91	100	100	91
92	100	100	92
93	100	100	93
94	100	100	94
95	100	100	95
96	100	100	96
97	100	100	97
98	100	100	98

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

Tubing - Production set at 5,243.0ftKB on 6/28/2023 15:15

Tubing Description		Len (ft)	Set Depth (ft)	Run Date	Cut/Pull Date	Depth C.	
Tubing - Production		5,214.98	5,243.0	6/28/2023			
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger (1 piece)	4 3/4	0.80	28.0	28.8	L80	6.50
14	Tubing	2 7/8	4,854.5	28.8	4,883.4	L-80	6.50
9			8				
1	Profile Nipple (X)	2 7/8	1.20	4,883.4	4,884.6	L80	6.50
10	Tubing	2 7/8	324.25	4,884.6	5,208.9	L-80	6.50
1	Profile Nipple (XN w/ no-go)	2 7/8	1.20	5,208.9	5,210.1	L80	6.50
1	Tubing	2 7/8	32.55	5,210.1	5,242.6	L-80	6.50
1	Mule Shoe	2 7/8	0.40	5,242.6	5,243.0	L80	6.50

Production, 16,211.0ftKB

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	30.8	16,211.0		4.89

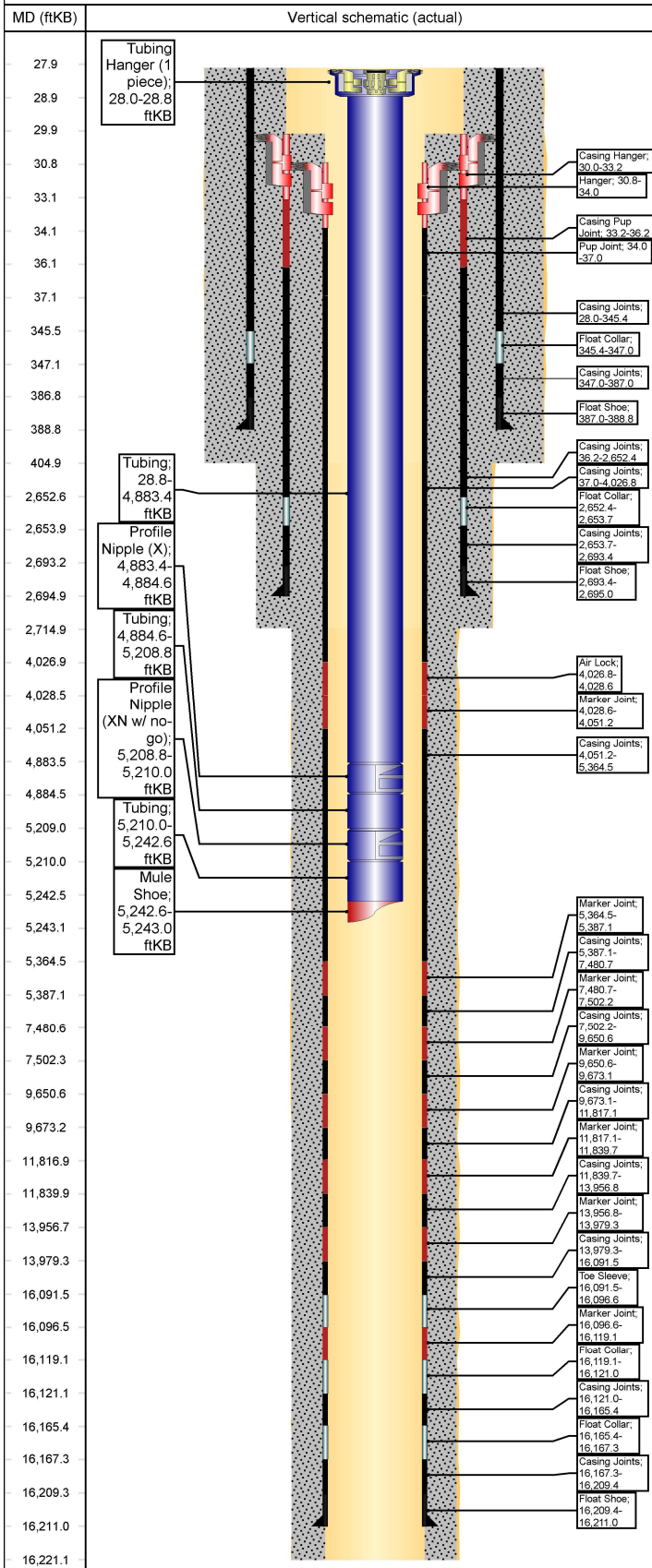
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
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Marker Joint	0	5 1/2	4.89	17.00	P-110	0.00
Casing Joints	0	5 1/2	4.89	17.00	P-110	0.00
Landing Joint	0	5 1/2	4.89	17.00	P-110	0.00
Hanger	1	5 1/2	4.89	17.00	P-110	3.20
Pup Joint	1	5 1/2	4.89	17.00	P-110	3.00
Casing Joints	91	5 1/2	4.89	17.00	P-110	3,989.79
Air Lock	1	5 1/2	4.89	17.00	P-110	1.80
Marker Joint	1	5 1/2	4.89	17.00	P-110	22.59
Casing Joints	30	5 1/2	4.89	17.00	P-110	1,313.34
Marker Joint	1	5 1/2	4.89	17.00	P-110	22.57
Casing Joints	48	5 1/2	4.89	17.00	P-110	2,093.62
Marker Joint	1	5 1/2	4.89	17.00	P-110	21.49
Casing Joints	49	5 1/2	4.89	17.00	P-110	2,148.44
Marker Joint	1	5 1/2	4.89	17.00	P-110	22.50
Casing Joints	49	5 1/2	4.89	17.00	P-110	2,143.93
Marker Joint	1	5 1/2	4.89	17.00	P-110	22.66
Casing Joints	48	5 1/2	4.89	17.00	P-110	2,117.03
Marker Joint	1	5 1/2	4.89	17.00	P-110	22.55
Casing Joints	48	5 1/2	4.89	17.00	P-110	2,112.15
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	22.55
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	44.34
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	42.07
Float Shoe	1	5 1/2	4.89	17.00	P-110	1.63

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	30.0	2,695.0		8.92

Well Name: GREATER LYBROOK UNIT 720H (fka W LYBROOK)

Horizontal, Original Hole, 7/6/2023 10:50:51 AM



Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	0	9 5/8	8.92	36.00	J-55	0.00
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
Casing Pup Joint	1	9 5/8	8.92	36.00	J-55	3.00
Casing Joints	66	9 5/8	8.92	36.00	J-55	2,616.23
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	39.65
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	317.40
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	39.95
Float Shoe	1	13 3/8	12.62	54.50	J-55	1.84

Cement

Surface Casing Cement, Casing, 8/12/2021 10:30

Description	String	Cementing Start Date	Cementing End Date
Surface Casing Cement	Surface, 388.8ftKB	8/12/2021 10:30	8/12/2021 13:23

Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	28.0	388.8	

Intermediate Casing Cement, Casing, 10/17/2021 08:30

Description	String	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	Intermediate, 2,695.0ftKB	10/17/2021 08:30	10/17/2021 11:51

Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	28.0	2,715.0	Cement Offline as follows: PJSJ 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: 195 bbls (521 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 206 bbls FW. FCP at 620 psi and plug Did Not bump Shut Well In With 620 PSI Maintained returns throughout job. Calculated 70. bbls to surface and got 38 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,014 ft MD.

Production Casing Cement, Casing, 11/29/2021 08:15

Description	String	Cementing Start Date	Cementing End Date
Production Casing Cement	Production, 16,211.0ftKB	11/29/2021 08:15	11/29/2021 14:15

Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	28.0	16,221.0	

Wellbores

Original Hole

Wellbore Name	Parent Wellbore
Original Hole	

Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Surface	17 1/2	28.0	405.0
Intermediate	12 1/4	405.0	2,715.0
Production	8 1/2	2,715.0	16,221.0

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 258667

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 258667
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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