

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.	NMNM120377
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well		WEST LYBROOK EXPLORATORY UNIT/NMNM135216
☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		RODEO UNIT/503H
ENDURING RESOURCES LLC		9. API Well No.
3a. Address 200 ENERGY COURT, FARMINGTON, NM 87401		3004538322
3b. Phone No. (include area code)		10. Field and Pool or Exploratory Area
(505) 497-8574		LYBROOK MANCOS W
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State
SEC 25/T23N/R9W/NMP		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 recompleate 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 perfonned 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 recompletion 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 drillout and initial gas-lift installation on the subject well. An updated wellbore schematic is attached.

EOT: 5404 MD
GLVs: 1379, 1945, 2510, 3042, 3541, 4074, 4573
Job Start: 1.19.2024
Job End: 1.26.2024

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Permitting Technician	
HEATHER HUNTINGTON / Ph: (505) 636-9751	Title	
(Electronic Submission)	Date	02/06/2024
Signature		

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Petroleum Engineer	02/07/2024
MATTHEW H KADE / Ph: (505) 564-7736 / Accepted	Title	Date
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)



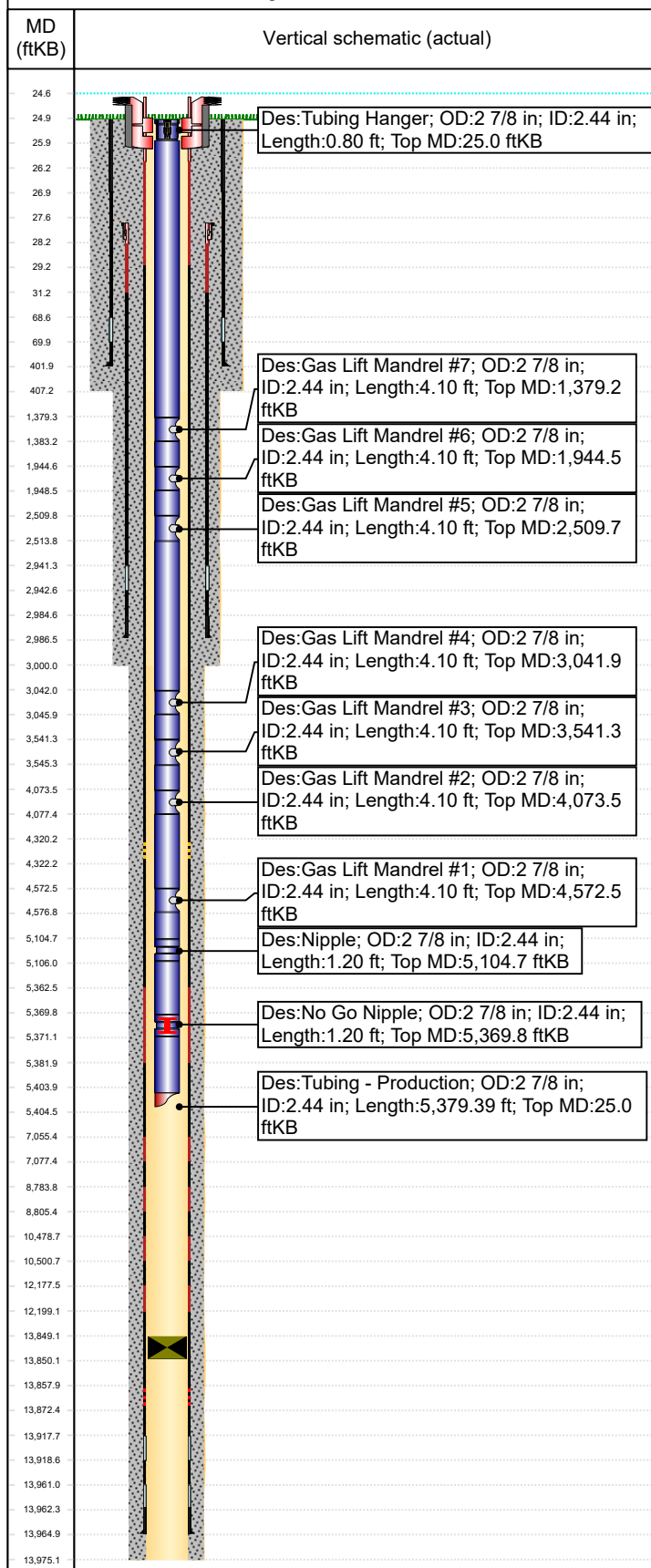
Enduring Resources IV - Production WBD

Well Name: **RODEO UNIT 503H**

NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38322	Surface Legal Location SE/4, NE/4, Section 25 (Unit H), Twp 23N...	Field Name Chaco	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,908.00	KB-Tubing Head Distance (ft)	Spud Date 10/9/2023 11:00	Rig Release Date 10/11/2023 14:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,922.7

Horizontal, Original Hole, 2/1/2024 3:51:30 PM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	25.0	25.0	407.0	407.0
Intermediate	12 1/4	407.0	407.0	3,000.0	2,872.7
Production	8 1/2	3,000.0	2,872.7	13,975.0	4,922.7

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 5,404.4ftKB on 1/25/2024 13:30

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		1/25/2024			5,379.39		5,404.4	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	J-55	6.50	2 7/8	2.44	0.80	25.0	25.8
Tubing	41	J-55	6.50	2 7/8	2.44	1,353.43	25.8	1,379.2
Gas Lift Mandrel #7	1	J-55	6.50	2 7/8	2.44	4.10	1,379.2	1,383.3
Tubing	17	J-55	6.50	2 7/8	2.44	561.16	1,383.3	1,944.5
Gas Lift Mandrel #6	1	J-55	6.50	2 7/8	2.44	4.10	1,944.5	1,948.6
Tubing	17	J-55	6.50	2 7/8	2.44	561.09	1,948.6	2,509.7
Gas Lift Mandrel #5	1	J-55	6.50	2 7/8	2.44	4.10	2,509.7	2,513.8
Tubing	16	J-55	6.50	2 7/8	2.44	528.16	2,513.8	3,042.0
Gas Lift Mandrel #4	1	J-55	6.50	2 7/8	2.44	4.10	3,042.0	3,046.1
Tubing	15	J-55	6.50	2 7/8	2.44	495.23	3,046.1	3,541.3
Gas Lift Mandrel #3	1	J-55	6.50	2 7/8	2.44	4.10	3,541.3	3,545.4
Tubing	16	J-55	6.50	2 7/8	2.44	528.10	3,545.4	4,073.5
Gas Lift Mandrel #2	1	J-55	6.50	2 7/8	2.44	4.10	4,073.5	4,077.6
Tubing	15	J-55	6.50	2 7/8	2.44	494.95	4,077.6	4,572.5
Gas Lift Mandrel #1	1	J-55	6.50	2 7/8	2.44	4.10	4,572.5	4,576.6
Tubing	16	J-55	6.50	2 7/8	2.44	528.03	4,576.6	5,104.7
Nipple	1	J-55	6.50	2 7/8	2.44	1.20	5,104.7	5,105.9
Tubing	8	J-55	6.50	2 7/8	2.44	263.94	5,105.9	5,369.8
No Go Nipple	1	J-55	6.50	2 7/8	2.44	1.20	5,369.8	5,371.0
Tubing	1	J-55	6.50	2 7/8	2.44	33.00	5,371.0	5,404.0
Mule Shoe Guide	1	J-55	6.50	2 7/8	2.44	0.40	5,404.0	5,404.4

Surface, 402.0ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 25.0	Set Depth (ftKB) 402.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Float Shoe			1	1.88	25.0	26.9
Casing Joints			1	41.65	26.9	68.5
Float Collar			1	1.48	68.5	70.0
Casing Joints			8	332.00	70.0	402.0

Intermediate, 2,986.4ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 27.7	Set Depth (ftKB) 2,986.4	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			0	0.00	27.7	27.7
Landing Joint			0	0.00	27.7	27.7
Casing Hanger			1	0.60	27.7	28.3
Pup Joint			1	3.03	28.3	31.3
Casing Joints			69	2,909.94	31.3	2,941.3
Float Collar			1	1.35	2,941.3	2,942.6



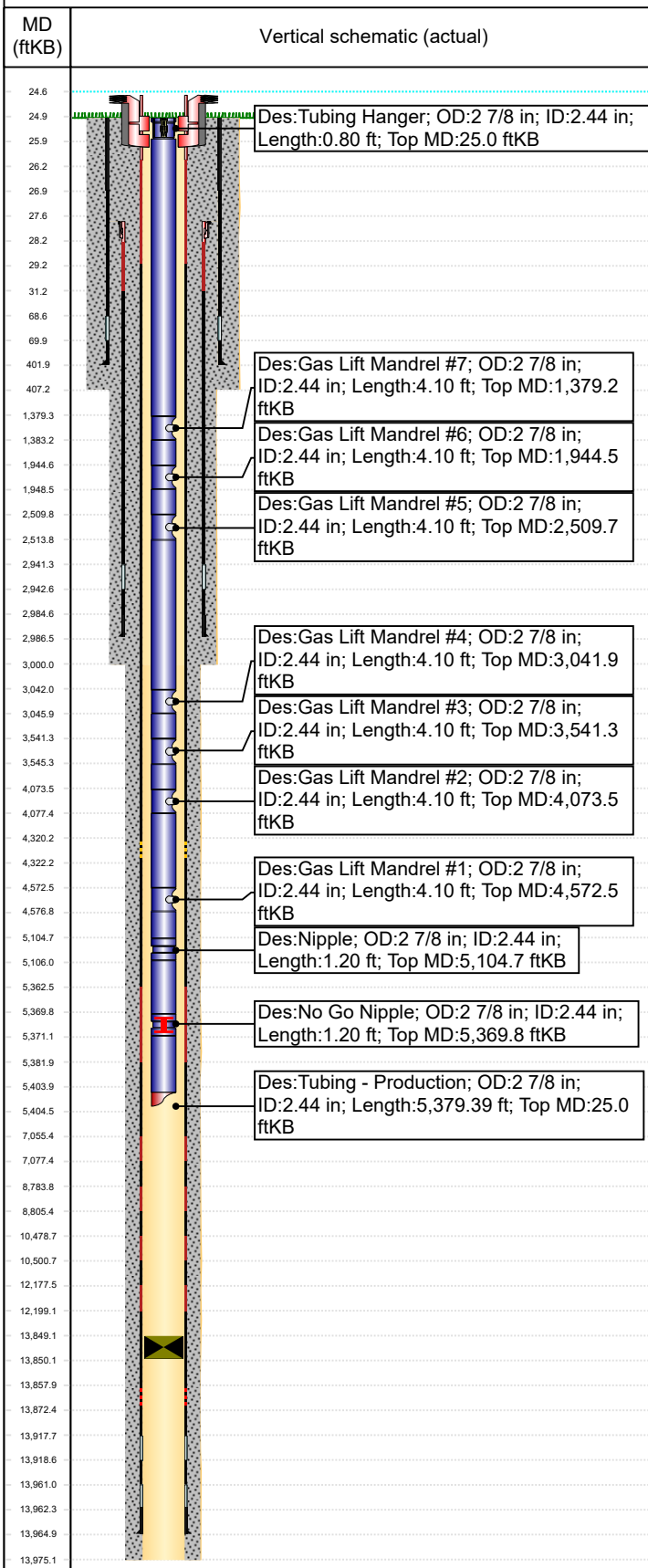
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Horizontal, Original Hole, 2/1/2024 3:51:33 PM



Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints	1	42.04	2,942.6	2,984.7
Float Shoe	1	1.75	2,984.7	2,986.4
Production, 13,964.8ftKB				
OD (in)	W/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)
5 1/2	17.00	P-110	LT&C	24.7
Set Depth (ftKB)	13,964.8			
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Marker Joint	0	0.00	24.7	24.7
Casing Joints	0	0.00	24.7	24.7
Landing Joint	0	0.00	24.7	24.7
Casing Hanger	1	1.50	24.7	26.2
Casing Pup Joint	1	3.00	26.2	29.2
Casing Joints	95	4,290.96	29.2	4,320.1
Air Lock	1	1.92	4,320.1	4,322.0
Casing Joints	23	1,040.49	4,322.0	5,362.5
Marker Joint E	1	19.23	5,362.5	5,381.8
Casing Joints	37	1,673.67	5,381.8	7,055.4
Marker Joint D	1	21.89	7,055.4	7,077.3
Casing Joints	38	1,706.39	7,077.3	8,783.7
Marker Joint C	1	21.66	8,783.7	8,805.4
Casing Joints	37	1,673.43	8,805.4	10,478.8
Marker Joint B	1	21.85	10,478.8	10,500.6
Casing Joints	38	1,676.71	10,500.6	12,177.4
Marker Joint A	1	21.85	12,177.4	12,199.2
Casing Joints	38	1,658.63	12,199.2	13,857.8
XO - Toe Sleeve - XO	1	14.53	13,857.8	13,872.4
Casing Joints	1	45.21	13,872.4	13,917.6
Float Collar	1	1.18	13,917.6	13,918.8
Casing Joints	1	42.22	13,918.8	13,961.0
Float Collar	1	1.18	13,961.0	13,962.2
Float Shoe	1	2.65	13,962.2	13,964.8

Cement

Description Surface Casing Cement	Cementing Start Date 10/11/2023	Cementing End Date 10/11/2023
Comment Prime and flush lines with 10 bbls FW. Test Lines 1,500 psi, Pumped 10 bbl Fresh Water Spacer, 10 bbl Mud Clean, 10 bbl Fresh Water Spacer , 372 sx (91.4 bbl) Type III Cement @ 14.6 ppg , 1.39 ft3/sk yield , 6.68 gal/sk H2O. Dropped Plug , Displaced with 51.3 bbls fresh water. FCP 131 PSI at 2.35 BPM. Bumped Plug to 600 psi. Bled Back 1/4 bbl. Floats held. 35 bbls Cement Back To Surface. Cement in place @ 14:00 on 10/11/2023. Rig Down Drake Energy Services		
Description Intermediate Casing Cement	Cementing Start Date 11/15/2023	Cementing End Date 11/15/2023
Comment PJSM with Drake Energy Services. Pressure tested lines to 1500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 221 bbls (578 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 37.0 bbls (149 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 226 bbls FW. FCP at 834 psi and Bump Plug, bled off floats held. Maintained returns throughout job. Calculated 76 bbls to surface and got 60 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,378 ft MD. Flush Through All Lines		
Description Production Casing Cement	Cementing Start Date 1/3/2024	Cementing End Date 1/3/2024
Comment Cement Summary: PJSM with American Cementing. Pressure tested lines to 5,000 psi. Pumped 60 bbls Intraguard Star @11.0 ppg. Pumped Lead Cement: 211 bbls (525 sx) ASTM Type I/II at 12.4 ppg, 2.26 ft3/sk, 12.70 gal H2O/sk. Pumped Tail Cement: 449 bbls (1,606 sx) Class G Cement at 13.3 ppg, 1.57 ft3/sk, 7.70-gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 323 bbls FW with cement retarder in 1st 50 bbls. FCP 1,800 - psi Bump Plug at 4.0 bpm to 3,000 - psi. Bled back 3.25 Bbls and floats held. Cement From 02:00 To 06:00 - 1/3/2024 Top of Tail: Calculated 2,956 ft MD. Top of Lead: Surface Cement Back 70 BBL, Calculated Back 70 bbl's. Cement in place at 06:00 on 1/3/2024, Wash Through All Cement Lines, Rig Down American.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 314865

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 314865
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	12/4/2025