

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. N0G13121859
		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. NMNM136328A, NMNM136328X
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. RODEO UNIT/513H
2. Name of Operator ENDURING RESOURCES LLC		9. API Well No. 3004535873
3a. Address 1050 17TH STREET SUITE 2500, DENVER, CO	3b. Phone No. (include area code) (303) 573-1222	10. Field and Pool or Exploratory Area BASIN MANCOS/MANCOS W
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 25/T23N/R9W/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 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 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 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. An updated well schematic is attached.

EOT: 5275 MD

GLVs: 1346, 2033, 2687, 3309, 3930, & 4487

Job Start: 1.22.2023

Job End: 1.24.2023

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON / Ph: (505) 636-9751	Title Permitting Technician
Signature	Date 02/15/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted	Title Petroleum Engineer	Date 02/21/2023
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)



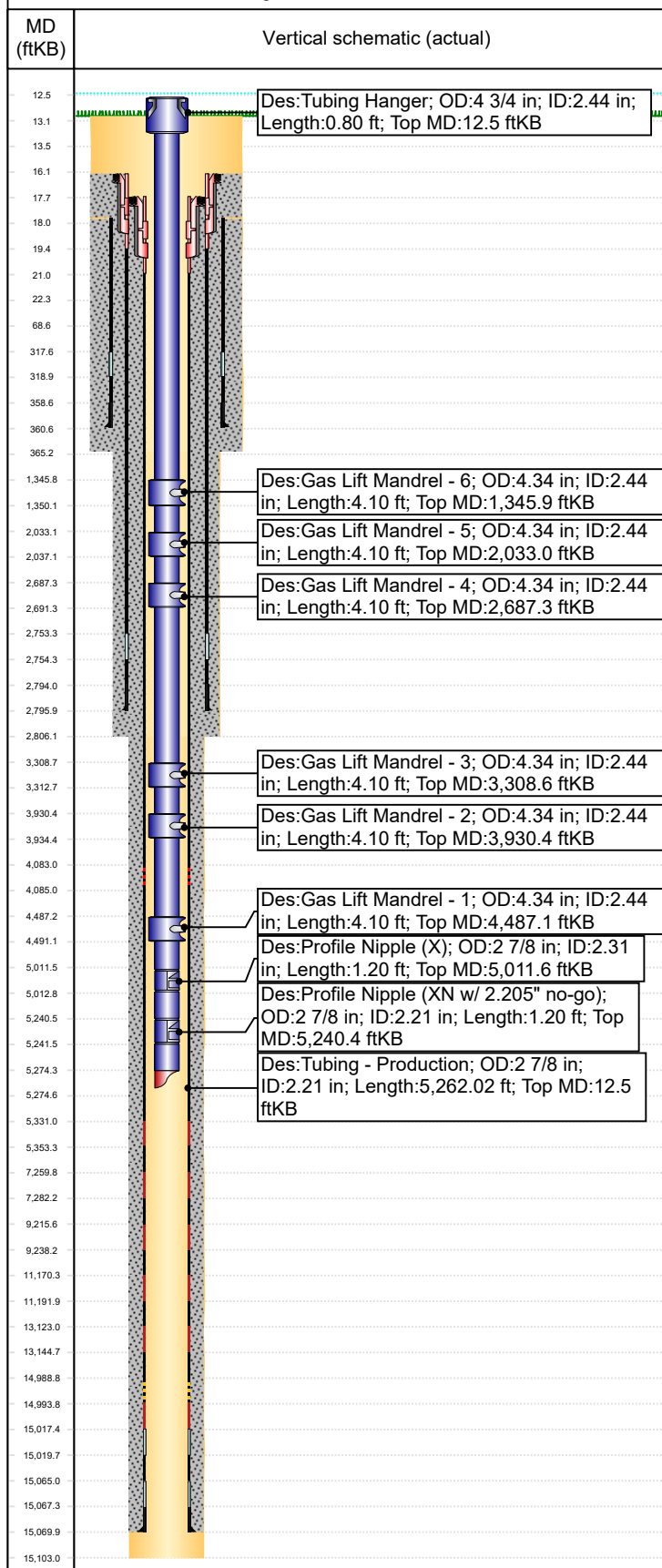
Enduring Resources IV - Production WBD

Well Name: **RODEO UNIT 513H**

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

API/UWI 30-045-35873	Surface Legal Location Section 25, Township 23 N, Range 9 W	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,811.00	KB-Tubing Head Distance (ft)	Spud Date 8/15/2022 14:30	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,555.6

Horizontal, Original Hole, 2/13/2023 9:30:36 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	13.0	13.0	365.0	365.0
Intermediate	12 1/4	365.0	365.0	2,806.0	2,664.9
	8 1/2	2,806.0	2,664.9	15,103.0	4,555.6

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 5,274.5ftKB on 1/24/2023 12:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		1/24/2023		5,262.02			5,274.5	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			4 3/4	2.44	0.80	12.5	13.3
Tubing	41	L-80	6.50	2 7/8	2.44	1,332.62	13.3	1,345.9
Gas Lift Mandrel - 6	1			4.335	2.44	4.10	1,345.9	1,350.0
Tubing	21	L-80	6.50	2 7/8	2.44	682.99	1,350.0	2,033.0
Gas Lift Mandrel - 5	1			4.335	2.44	4.10	2,033.0	2,037.1
Tubing	20	L-80	6.50	2 7/8	2.44	650.21	2,037.1	2,687.3
Gas Lift Mandrel - 4	1			4.335	2.44	4.10	2,687.3	2,691.4
Tubing	19	L-80	6.50	2 7/8	2.44	617.16	2,691.4	3,308.6
Gas Lift Mandrel - 3	1			4.335	2.44	4.10	3,308.6	3,312.7
Tubing	19	L-80	6.50	2 7/8	2.44	617.74	3,312.7	3,930.4
Gas Lift Mandrel - 2	1			4.335	2.44	4.10	3,930.4	3,934.5
Tubing	17	L-80	6.50	2 7/8	2.44	552.58	3,934.5	4,487.1
Gas Lift Mandrel - 1	1			4.335	2.44	4.10	4,487.1	4,491.2
Tubing	16	L-80	6.50	2 7/8	2.44	520.40	4,491.2	5,011.6
Profile Nipple (X)	1			2 7/8	2.31	1.20	5,011.6	5,012.8
Tubing	7	L-80	6.50	2 7/8	2.44	227.62	5,012.8	5,240.4
Profile Nipple (XN w/ 2.205" no-go)	1			2 7/8	2.21	1.20	5,240.4	5,241.6
Tubing	1	L-80	6.50	2 7/8	2.44	32.50	5,241.6	5,274.1
Half Mule Shoe - EOT is considered OV	1			2 7/8	2.44	0.40	5,274.1	5,274.5

Surface, 360.5ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 18.0	Set Depth (ftKB) 360.5	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	299.45	18.0	317.4
Float Collar			1	1.48	317.4	318.9
Casing Joints			1	39.70	318.9	358.6
Guide Shoe			1	1.88	358.6	360.5

Intermediate, 2,796.0ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 16.2	Set Depth (ftKB) 2,796.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		0	0.00	16.2	16.2
Landing Joint		0	0.00	16.2	16.2
Casing Hanger		1	3.20	16.2	19.4
Pup Joint		1	3.00	19.4	22.4
Casing Joints		69	2,730.77	22.4	2,753.2

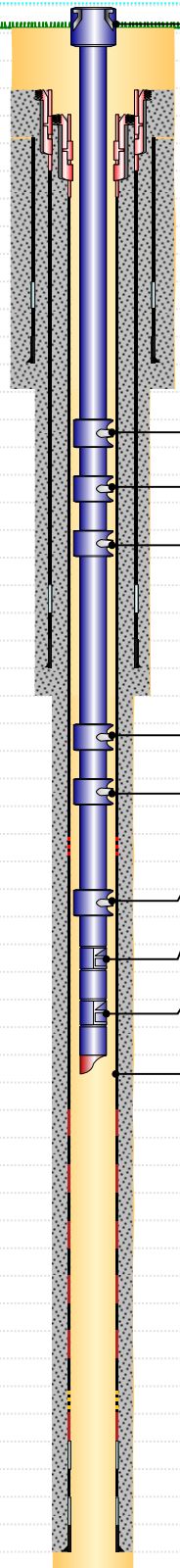


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Horizontal, Original Hole, 2/13/2023 9:30:38 AM							
MD (ftKB)	Vertical schematic (actual)						
12.5		Des:Tubing Hanger; OD:4 3/4 in; ID:2.44 in; Length:0.80 ft; Top MD:12.5 ftKB					
13.1							
13.5							
16.1							
17.7							
18.0							
19.4							
21.0							
22.3							
66.6							
317.6							
318.9							
358.6							
360.6							
365.2							
1,345.8							
1,350.1							
2,033.1							
2,037.1							
2,687.3							
2,691.3							
2,753.3							
2,754.3							
2,794.0							
2,795.9							
2,806.1							
3,308.7							
3,312.7							
3,930.4							
3,934.4							
4,083.0							
4,085.0							
4,487.2							
4,491.1							
5,011.5							
5,012.8							
5,240.5							
5,241.5							
5,274.3							
5,274.6							
5,331.0							
5,353.3							
7,259.8							
7,282.2							
9,215.6							
9,238.2							
11,170.3							
11,191.9							
13,123.0							
13,144.7							
14,988.8							
14,993.8							
15,017.4							
15,019.7							
15,065.0							
15,067.3							
15,069.9							
15,103.0							
		Production, 15,070.0ftKB					
		OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection Buttress Thread	Top (ftKB)	Set Depth (ftKB)
		5 1/2	20.00	P-110		17.7	15,070.0
		Item Des	Jts	Len (ft)		Top (ftKB)	Btm (ftKB)
		Marker Joint 7	0	0.00		17.7	17.7
		Casing Joints	0	0.00		17.7	17.7
		Landing joint	0	0.00		17.7	17.7
		Casing Hanger	1	3.20		17.7	20.9
		Casing with pup	1	47.71		20.9	68.6
		Casing Joints	90	4,014.35		68.6	4,082.9
		Air lock	1	1.92		4,082.9	4,084.9
		Casing Joints	28	1,246.08		4,084.9	5,330.9
		Marker Joint 6	1	22.47		5,330.9	5,353.4
		Casing Joints	43	1,906.36		5,353.4	7,259.8
		Marker Joint 5	1	22.37		7,259.8	7,282.1
		Casing Joints	44	1,933.54		7,282.1	9,215.7
		Marker joint 4	1	22.38		9,215.7	9,238.1
		Casing Joints	44	1,932.18		9,238.1	11,170.2
		Marker joint 3	1	21.63		11,170.2	11,191.9
		Casing Joints	44	1,931.25		11,191.9	13,123.1
		Marker joint 2	1	21.44		13,123.1	13,144.6
		Casing Joints	42	1,844.27		13,144.6	14,988.8
		Toe sleeve	1	5.10		14,988.8	14,993.9
		Marker joint 1	1	23.36		14,993.9	15,017.3
		Float collar	1	2.42		15,017.3	15,019.7
		Casing Joints	1	45.22		15,019.7	15,064.9
		Float Collar	1	2.42		15,064.9	15,067.4
		Float Shoe	1	2.65		15,067.4	15,070.0
		Cement					
		Description	Cementing Start Date		Cementing End Date		
		Surface Casing Cement	8/17/2022		8/17/2022		
		Comment					
		Cement off line as follows: Pressure test lines 1000 psi, Pump 10 bbls FW spacer, 10 bbls mud clean, 10 bbls FW spacer, 350 sks (87 bbls) type 3 cement @ 14.6 ppg, 1.39 yield, 6.68 gps, drop plug and displace with 49.1 bbls FW, FCP 180 psi at 3 bbls/min, bump plug at 646 psi, check floats (failed), shut in on casing, 40 bbls cement to surface. Bump plug @ 12:42 on 8/17/22, rig down and move off cement equipment.					
		Description	Cementing Start Date		Cementing End Date		
		Intermediate Casing Cement	11/26/2022		11/26/2022		
		Cement					
		Comment					
		PJSM 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: 204 bbls (535 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.4 bbls (137 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 213 bbls FW. FCP at 700 psi and Bump Plug, bled off floats held. Maintained returns throughout job. Calculated 58 bbls to surface and got 93 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,280ft MD.					



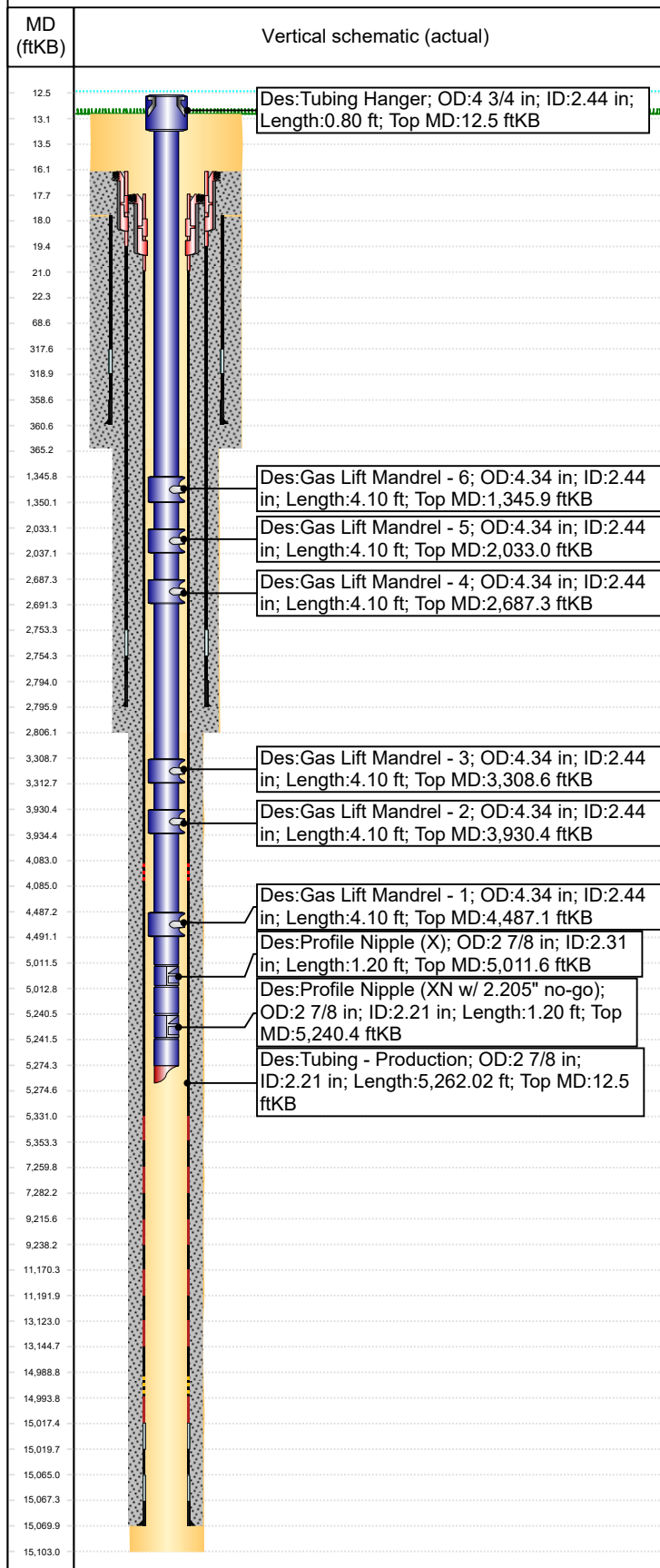
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Horizontal, Original Hole, 2/13/2023 9:30:40 AM



Cement

Description Production Casing Cement	Cementing Start Date 12/17/2022	Cementing End Date 12/17/2022
Comment Cement Summary: PJSM with American Cementing. Pressure tested lines to 6,500 psi. Pumped 60 bbls Intraguard Star @11.0 ppg. Pumped Lead Cement: 204 bbls 480 sx) ASTM Type I/II at 12.4 ppg, 2.39 ft3/sk, 13.28 gal H2O/sk. Pumped Tail Cement: 507 bbls (1803 sx) Class G Cement at 13.3 ppg, 1.58 ft3/sk, 7.58 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 333 bbls FW with cement retarder in 1st 50 bbls. FCP at 2,157-- psi Bump Plug at 4.0 bpm to 3,369- psi. Bled back 3 Bbls and floats held. Cement From 18:45 To 22:15 - 12/17/2022 Top of Tail: Calculated 2,796ft MD. Top of Lead: Surface Cement Back 45 BBL, Calculated Back 60 bbl's Cement in place at 22:15 on 12/17/2022, 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 191125

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 191125
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	9/17/2025