

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. **NMNM136159**

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

7. If Unit of CA/Agreement, Name and/or No.  
**NMNM136328A**

8. Well Name and No. **RODEO UNIT/500H**

2. Name of Operator **ENDURING RESOURCES LLC**

9. API Well No. **3004535796**

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/Nageezi Unit; Mancos (Oil)**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 18/T23N/R8W/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				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 determined that the site is ready for final inspection.)

Enduring Resources performed a workover for tubing reconfiguration. An updated well schematic is attached.

EOT: 5,489 MD

Packer: 5,382 MD (not set)

GLVs: 1,090, 1,708, 2,265, 2,790, 3,312, 3,771, 4,228, 4,658 MDs

Orifice Valve: 5,372 MD

Job Start: 2/27/2023

Job End: 2/28/2023

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 **03/08/2023**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by  
**KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted**

Title **Petroleum Engineer**

Date **03/09/2023**

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)

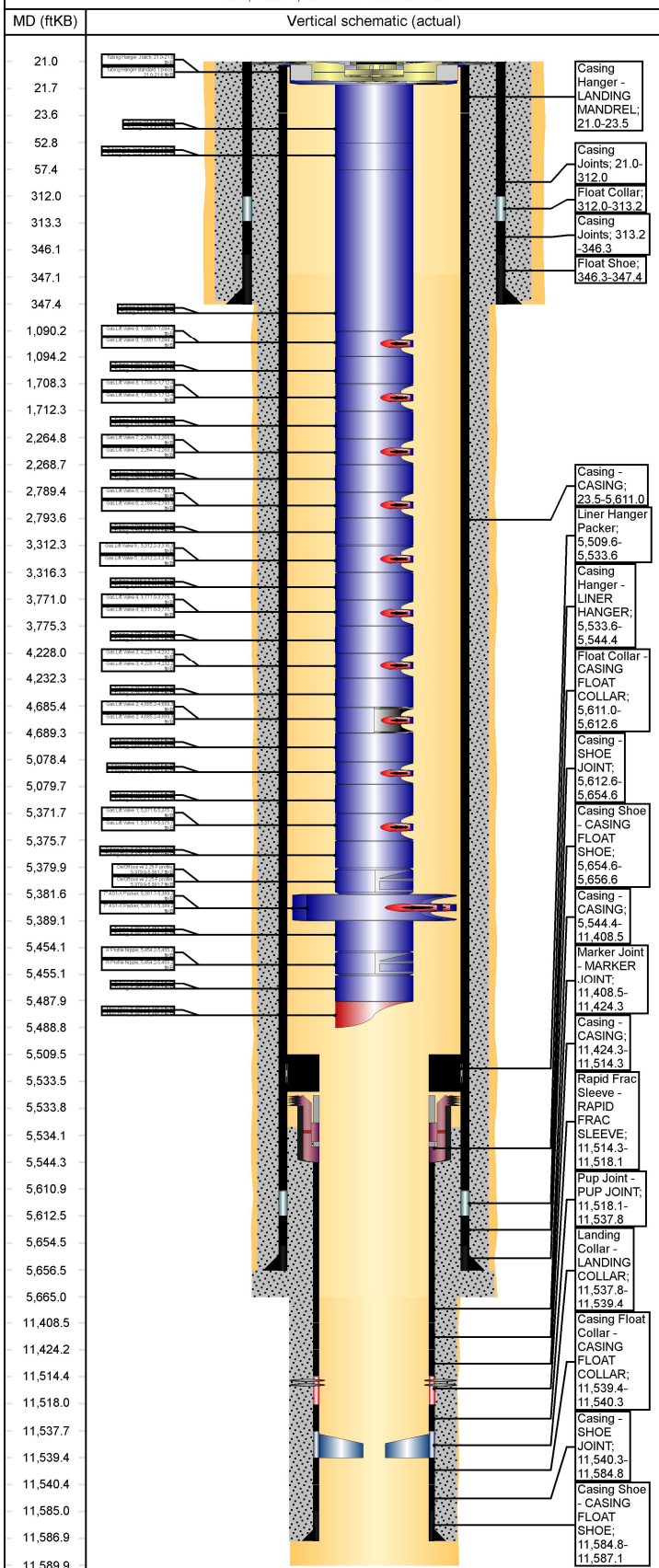


# Wellbore Schematic - Components and Cement

Well Name: **RODEO UNIT 500H**

API/UWI 30-045-35796	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location
Spud Date 6/5/2017	On Production Date	Abandon Date	Ground Elevation (ft) 6,939.01
Original KB Elevation (ft) 6,960.01		Total Depth (All) (ftKB) Original Hole - 11,590.0	PBTD (All) (ftKB)

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Other Strings			
String Description	String Length (ft)	Set Depth (ftKB)	Run Date
Liner Hanger Packer	INTERMEDIATE CASING, 5,656.6ftKB	5,509.6 / 5,533.6	6/21/2017 00:00

Other In Hole				
Des	String	Top (ftKB)	Btm (ftKB)	Run Date
Liner Hanger Packer	INTERMEDIATE CASING, 5,656.6ftKB	5,509.6	5,533.6	6/21/2017 00:00

Rod Strings					
<des> on <dtmrun>					
Rod Description	String Length (ft)	Set Depth (ftKB)	Run Date		
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)

**Tubing Strings**  
**Tubing - Production set at 5,489.0ftKB on 11/5/2017 10:00**

Tubing Description	Len (ft)	Set Depth (f...)	Run Date	Cut/Pull Date	Depth C...		
Tubing - Production	5,468.05	5,489.0	11/5/2017				
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger J latch	7	0.60	21.0	21.6	L-80	6.50
1	Tubing	2 7/8	31.21	21.6	52.8	L-80	6.50
1	Tubing Pup Joint	2 7/8	4.53	52.8	57.3	L-80	6.50
32	Tubing	2 7/8	1,032.80	57.3	1,090.1	L-80	6.50
1	Gas Lift Valve 9	2 7/8	4.10	1,090.1	1,094.2	L-80	6.50
19	Tubing	2 7/8	614.12	1,094.2	1,708.3	L-80	6.50
1	Gas Lift Valve 8	2 7/8	4.10	1,708.3	1,712.4	L-80	6.50
17	Tubing	2 7/8	552.26	1,712.4	2,264.7	L-80	6.50
1	Gas Lift Valve 7	2 7/8	4.10	2,264.7	2,268.8	L-80	6.50
16	Tubing	2 7/8	520.68	2,268.8	2,789.5	L-80	6.50
1	Gas Lift Valve 6	2 7/8	4.10	2,789.5	2,793.6	L-80	6.50
16	Tubing	2 7/8	518.69	2,793.6	3,312.2	L-80	6.50
1	Gas Lift Valve 5	2 7/8	4.10	3,312.2	3,316.3	L-80	6.50
14	Tubing	2 7/8	454.70	3,316.3	3,771.0	L-80	6.50
1	Gas Lift Valve 4	2 7/8	4.10	3,771.0	3,775.1	L-80	6.50
14	Tubing	2 7/8	453.00	3,775.1	4,228.1	L-80	6.50
1	Gas Lift Valve 3	2 7/8	4.10	4,228.1	4,232.2	L-80	6.50
14	Tubing	2 7/8	453.00	4,232.2	4,685.2	L-80	6.50
1	Gas Lift Valve 2	2 7/8	4.10	4,685.2	4,689.3	L-80	6.50
12	Tubing	2 7/8	389.14	4,689.3	5,078.5	L-80	6.50
1	X Nipple	2 7/8	1.10	5,078.5	5,079.6	L-80	6.50
9	Tubing	2 7/8	292.00	5,079.6	5,371.6	L-80	6.50
1	Gas Lift Valve 1	2 7/8	4.10	5,371.6	5,375.7	L-80	6.50
1	Tubing Pup	2 7/8	4.20	5,375.7	5,379.9	L-80	6.50
1	On/Off tool w/ 2.25 F profile	2 7/8	1.82	5,379.9	5,381.7	L-80	6.50
1	7" AS1-X Packer	6	7.50	5,381.7	5,389.2	L-80	6.50
2	Tubing	2 7/8	65.00	5,389.2	5,454.2	L-80	6.50
1	R Profile Nipple	2 7/8	1.00	5,454.2	5,455.2	L-80	6.50
1	Tubing	2 7/8	32.50	5,455.2	5,487.7	L-80	6.50
1	Mule Shoe	2 7/8	1.30	5,487.7	5,489.0	L-80	6.50

**Tubing - Production set at 5,489.0ftKB on 2/27/2023 07:22**

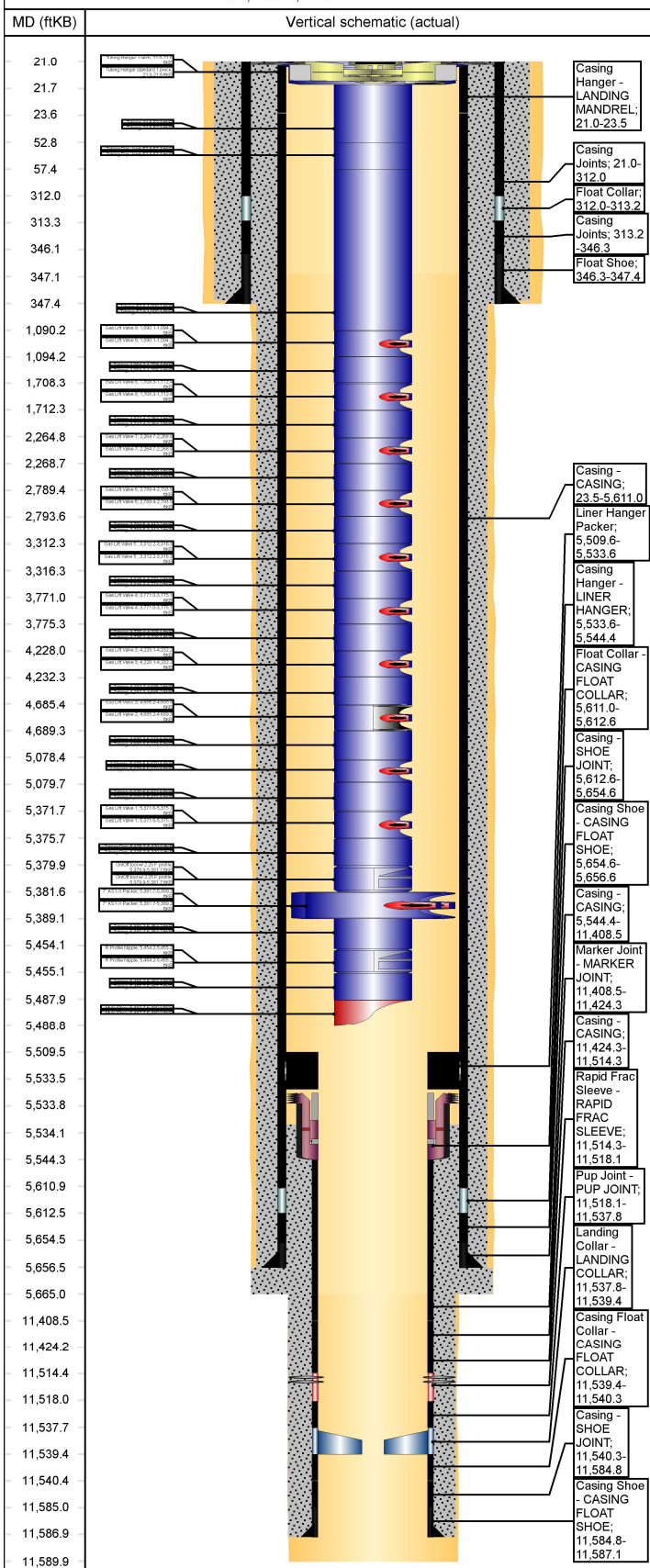
Tubing Description	Len (ft)	Set Depth (f...)	Run Date	Cut/Pull Date	Depth C...		
Tubing - Production	5,468.05	5,489.0	2/27/2023				
Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger standard 1 piece	7	0.60	21.0	21.6	L-80	6.50
1	Tubing	2 7/8	31.21	21.6	52.8	L-80	6.50
1	Tubing Pup Joint	2 7/8	4.53	52.8	57.3	L-80	6.50
32	Tubing	2 7/8	1,032.80	57.3	1,090.1	L-80	6.50



# Wellbore Schematic - Components and Cement

Well Name: **RODEO UNIT 500H**

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Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Gas Lift Valve 9	2 7/8	4.10	1,090.1	1,094.2	L-80	6.50
19	Tubing	2 7/8	614.12	1,094.2	1,708.3	L-80	6.50
1	Gas Lift Valve 8	2 7/8	4.10	1,708.3	1,712.4	L-80	6.50
17	Tubing	2 7/8	552.26	1,712.4	2,264.7	L-80	6.50
1	Gas Lift Valve 7	2 7/8	4.10	2,264.7	2,268.8	L-80	6.50
16	Tubing	2 7/8	520.68	2,268.8	2,789.5	L-80	6.50
1	Gas Lift Valve 6	2 7/8	4.10	2,789.5	2,793.6	L-80	6.50
16	Tubing	2 7/8	518.69	2,793.6	3,312.2	L-80	6.50
1	Gas Lift Valve 5	2 7/8	4.10	3,312.2	3,316.3	L-80	6.50
14	Tubing	2 7/8	454.70	3,316.3	3,771.0	L-80	6.50
1	Gas Lift Valve 4	2 7/8	4.10	3,771.0	3,775.1	L-80	6.50
14	Tubing	2 7/8	453.00	3,775.1	4,228.1	L-80	6.50
1	Gas Lift Valve 3	2 7/8	4.10	4,228.1	4,232.2	L-80	6.50
14	Tubing	2 7/8	453.00	4,232.2	4,685.2	L-80	6.50
1	Gas Lift Valve 2	2 7/8	4.10	4,685.2	4,689.3	L-80	6.50
12	Tubing	2 7/8	389.14	4,689.3	5,078.5	L-80	6.50
1	X Nipple	2 7/8	1.10	5,078.5	5,079.6	L-80	6.50
9	Tubing	2 7/8	292.00	5,079.6	5,371.6	L-80	6.50
1	Gas Lift Valve 1	2 7/8	4.10	5,371.6	5,375.7	L-80	6.50
1	Tubing Pup	2 7/8	4.20	5,375.7	5,379.9	L-80	6.50
1	On/Off tool w/ 2.25 F profile	2 7/8	1.82	5,379.9	5,381.7	L-80	6.50
1	7" AS1-X Packer	5	7.50	5,381.7	5,389.2	L-80	6.50
2	Tubing	2 7/8	65.00	5,389.2	5,454.2	L-80	6.50
1	R Profile Nipple	2 7/8	1.00	5,454.2	5,455.2	L-80	6.50
1	Tubing	2 7/8	32.50	5,455.2	5,487.7	L-80	6.50
1	Mule Shoe	2 7/8	1.30	5,487.7	5,489.0	L-80	6.50

### Casing Strings

#### PRODUCTION LINER #1, 11,587.1ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
PRODUCTION LINER #1	4 1/2	11.60	P-110	5,533.6	11,587.1		4.00

### Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Hanger - LINER HANGER	1	4 1/2	4.00	0.00		10.80
Casing - CASING	131	4 1/2	4.00	11.60	P-110	5,864.08
Marker Joint - MARKER JOINT	1	4 1/2	4.00	11.60	P-110	15.82
Casing - CASING	2	4 1/2	4.00	11.60	P-110	89.99
Rapid Frac Sleeve - RAPID FRAC SLEEVE	1	4 1/2	4.00	0.00		3.75
Pup Joint - PUP JOINT	1	4 1/2	4.00	11.60	P-110	19.70
Landing Collar - LANDING COLLAR	1	4 1/2	4.00	0.00		1.59
Casing Float Collar - CASING FLOAT COLLAR	1	4 1/2	4.00	0.00		0.98
Casing - SHOE JOINT	1	4 1/2	4.00	11.60	P-110	44.48
Casing Shoe - CASING FLOAT SHOE	1	4 1/2	4.00	0.00		2.28

#### INTERMEDIATE CASING, 5,656.6ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
INTERMEDIATE CASING	7	23.00	J-55	21.0	5,656.6		6.37

### Casing Components

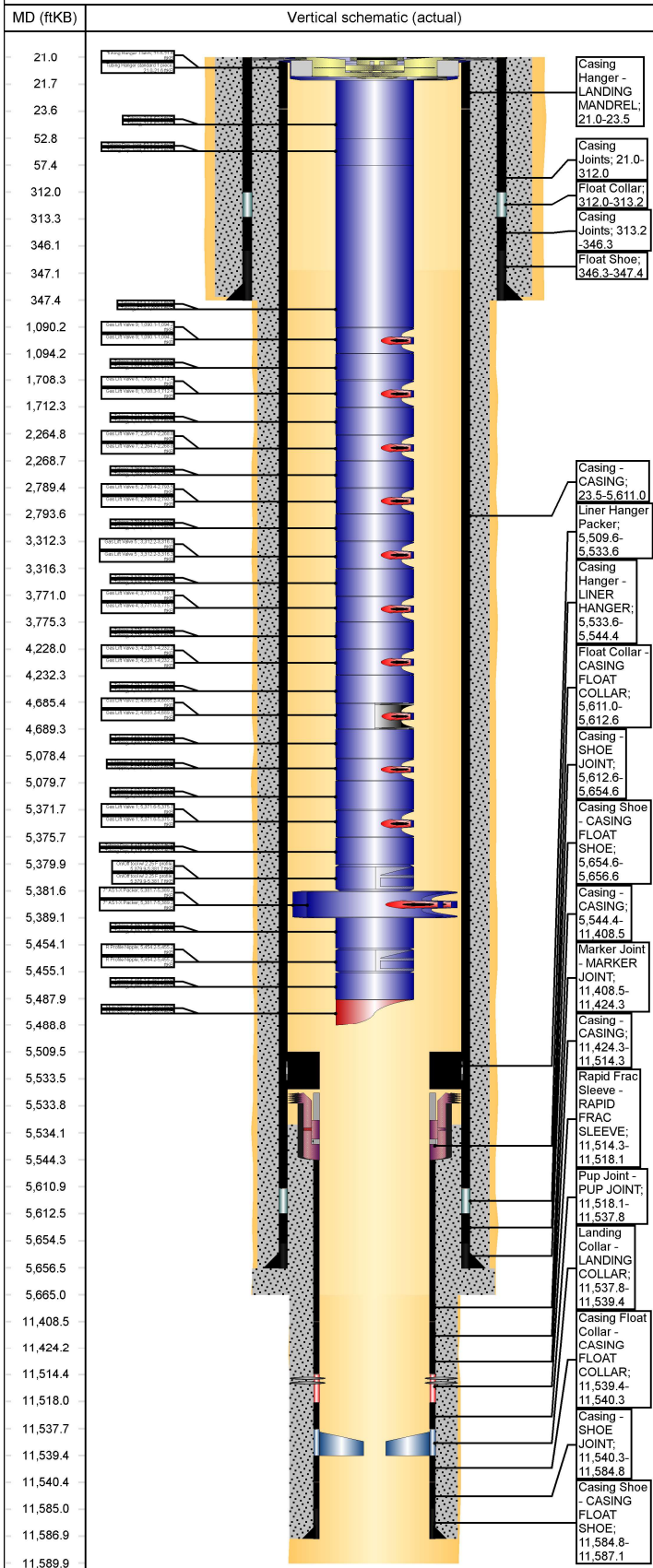
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Hanger - LANDING MANDREL	1	7	6.37	23.00	P-110	2.50
Casing - CASING	133	7	6.37	23.00	J-55	5,587.45
Float Collar - CASING FLOAT COLLAR	1	7	6.37	0.00	N-80	1.60

# WellView®

## Wellbore Schematic - Components and Cement

Well Name: **RODEO UNIT 500H**

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### Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing - SHOE JOINT	1	7	6.37	23.00	J-55	42.07
Casing Shoe - CASING FLOAT SHOE	1	7	6.37	0.00	N-80	2.00

### SURFACE CASING, 347.4ftKB

Casing Description	OD (in)	Wt/Len (lb/ft)	String Grade	Top (ftKB)	Set Depth...	Depth C...	ID (in)
SURFACE CASING	9 5/8	36.00	J-55	21.0	347.4		8.92

### Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	9	9 5/8	8.92	36.00	J-55	291.00
Float Collar	1	9 5/8	8.92		HOWC O	1.21
Casing Joints	1	9 5/8	8.92	36.00	J-55	33.05
Float Shoe	1	9 5/8	8.92		HOWC O	1.18

### Cement

#### Surface Casing Cement, Casing, 5/31/2017 10:00

Description	String	Cementing Start Date	Cementing End Date
Surface Casing Cement	SURFACE CASING, 347.4ftKB	5/31/2017 10:00	5/31/2017 11:00

### Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	21.0	347.4	

#### INTERMEDIATE CASING, Casing, 6/11/2017 02:30

Description	String	Cementing Start Date	Cementing End Date
INTERMEDIATE CASING	INTERMEDIATE CASING, 5,656.6ftKB	6/11/2017 02:30	11/20/2006 17:00

### Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	21.0	5,656.6	

#### PRODUCTION LINER #1, Casing, 6/21/2017 18:31

Description	String	Cementing Start Date	Cementing End Date
PRODUCTION LINER #1	PRODUCTION LINER #1, 11,587.1ftKB	6/21/2017 18:31	6/21/2017 21:43

### Cement Stages

Stg #	Top (ftKB)	Btm (ftKB)	Com
1	5,534.0	11,587.1	

### Wellbores

#### <des>

Wellbore Name	Parent Wellbore
	Original Hole

### Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/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 198033

**CONDITIONS**

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 198033
	Action Type: [C-103] Sub. Workover (C-103R)

**CONDITIONS**

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