

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. **NMNM130875**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3a. Address **200 ENERGY COURT, FARMINGTON, NM 87401**    3b. Phone No. (include area code) **(505) 497-8574**

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
**SEC 3/T23N/R6W/NMP**

7. If Unit of CA/Agreement, Name and/or No. **Haynes Canyon Unit/NMNM105770949**

8. Well Name and No. **HAYNES CANYON UNIT/440H**

9. API Well No. **3003931447**

10. Field and Pool or Exploratory Area  
**Wildcat**

11. Country or Parish, State  
**RIO ARRIBA/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 drillout and initial gas-lift installation on the subject well. An updated wellbore schematic is attached.

EOT: 6082 MD  
 GLVs: 1365, 2058, 2587, 3147, 3673, 4201, 4730, 5226  
 Job Start: 6.14.2024  
 Job End: 6.18.2024

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**HEATHER HUNTINGTON / Ph: (505) 636-9751**

Permitting Technician  
Title

(Electronic Submission)  
Signature

Date **07/19/2024**

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

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

Petroleum Engineer  
Title

07/22/2024  
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)



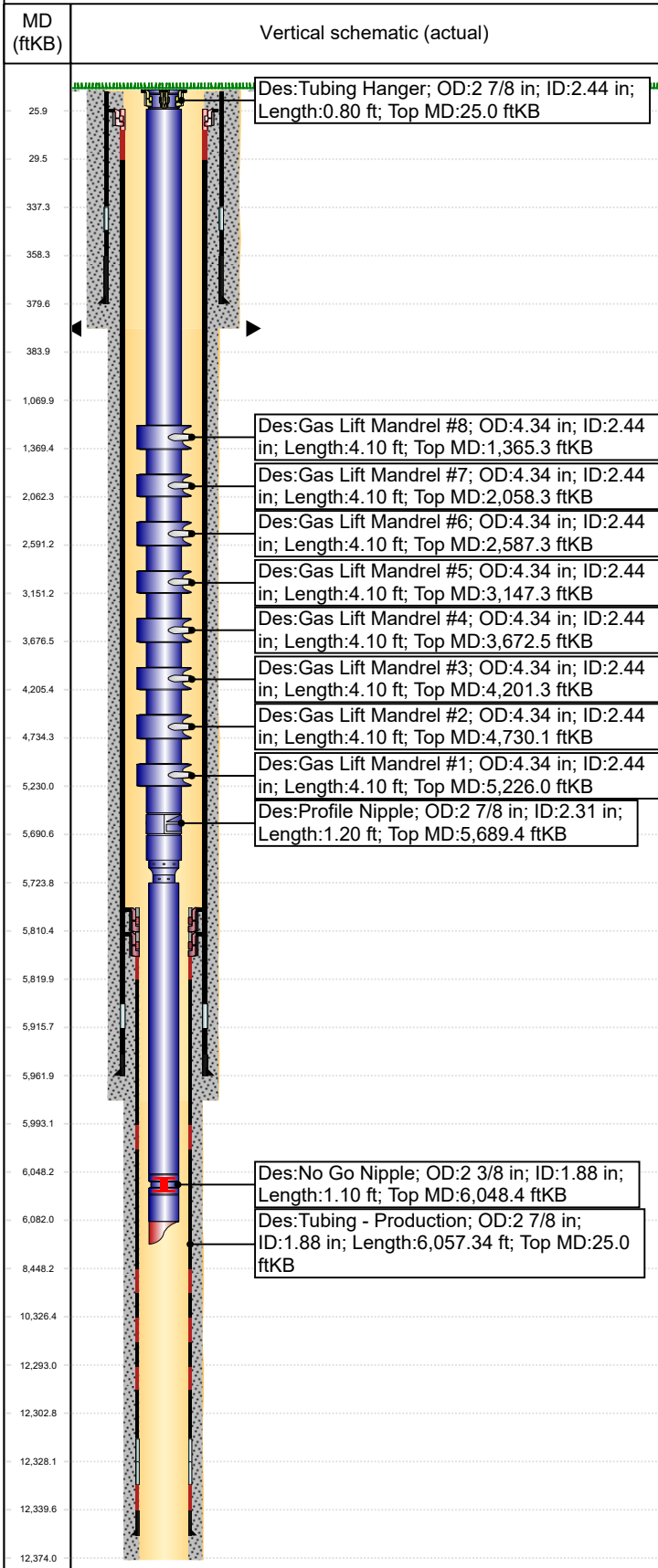
## Enduring Resources IV - Production WBD

**Well Name: Haynes Canyon Unit 440H**

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

API/UWI 30-039-31447	Surface Legal Location SW/4, SW/4, M, Section 3, TWP23N, Rng...	Field Name Lybrook	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,728.00	KB-Tubing Head Distance (ft)	Spud Date 3/5/2024 08:00	Rig Release Date	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)

Horizontal, Sidetrack 1, 7/9/2024 12:55:13 PM



Wellbore Sections					
Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Intermediate	8 3/4	381.0		5,975.0	5,482.6
Production	6 1/8	5,975.0	5,482.6	12,374.0	

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 6,082.3ftKB on 6/17/2024 20:00					
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)		
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)
Tubing - Production	6/17/2024	6,057.34			6,082.3

Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1		6.50	2 7/8	2.44	0.80	25.0	25.8
Tubing	41	L-80	6.50	2 7/8	2.44	1,339.53	25.8	1,365.3
Gas Lift Mandrel #8	1	L-80	6.50	4.335	2.44	4.10	1,365.3	1,369.4
Tubing	21	L-80	6.50	2 7/8	2.44	688.85	1,369.4	2,058.3
Gas Lift Mandrel #7	1	L-80	6.50	4.335	2.44	4.10	2,058.3	2,062.4
Tubing	16	L-80	6.50	2 7/8	2.44	524.88	2,062.4	2,587.3
Gas Lift Mandrel #6	1	L-80	6.50	4.335	2.44	4.10	2,587.3	2,591.4
Tubing	17	L-80	6.50	2 7/8	2.44	555.94	2,591.4	3,147.3
Gas Lift Mandrel #5	1	L-80	6.50	4.335	2.44	4.10	3,147.3	3,151.4
Tubing	16	L-80	6.50	2 7/8	2.44	521.14	3,151.4	3,672.5
Gas Lift Mandrel #4	1	L-80	6.50	4.335	2.44	4.10	3,672.5	3,676.6
Tubing	16	L-80	6.50	2 7/8	2.44	524.66	3,676.6	4,201.3
Gas Lift Mandrel #3	1	L-80	6.50	4.335	2.44	4.10	4,201.3	4,205.4
Tubing	16	L-80	6.50	2 7/8	2.44	524.70	4,205.4	4,730.1
Gas Lift Mandrel #2	1	L-80	6.50	4.335	2.44	4.10	4,730.1	4,734.2
Tubing	15	L-80	6.50	2 7/8	2.44	491.84	4,734.2	5,226.0
Gas Lift Mandrel #1	1	L-80	6.50	4.335	2.44	4.10	5,226.0	5,230.1
Tubing	14	L-80	6.50	2 7/8	2.44	459.28	5,230.1	5,689.4
Profile Nipple	1	L-80	6.50	2 7/8	2.31	1.20	5,689.4	5,690.6
Tubing	1	L-80	6.50	2 7/8	2.44	32.81	5,690.6	5,723.4
Cross Over	1	L-80	4.70	2 3/8	2.00	0.40	5,723.4	5,723.8
Tubing	10	L-80	4.70	2 3/8	2.00	324.54	5,723.8	6,048.4
No Go Nipple	1	L-80	4.70	2 3/8	1.88	1.10	6,048.4	6,049.5
Tubing	1	L-80	4.70	2 3/8	2.00	32.47	6,049.5	6,081.9
Mule Shoe	1			2 3/8	2.00	0.40	6,081.9	6,082.3

Surface, 379.5ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	ST&C	25.1	379.5
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	16	312.26	25.1	337.3	
Float Collar	1	1.48	337.3	338.8	
Casing Joints	1	19.45	338.8	358.2	
Casing Joints	1	19.40	358.2	377.6	
Float Shoe	1	1.86	377.6	379.5	

TIE BACK, 5,790.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	Buttress Thread	19.5	5,790.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Hanger	1	4.50	19.5	24.0	
Casing Pup Joint	3	39.09	24.0	63.1	

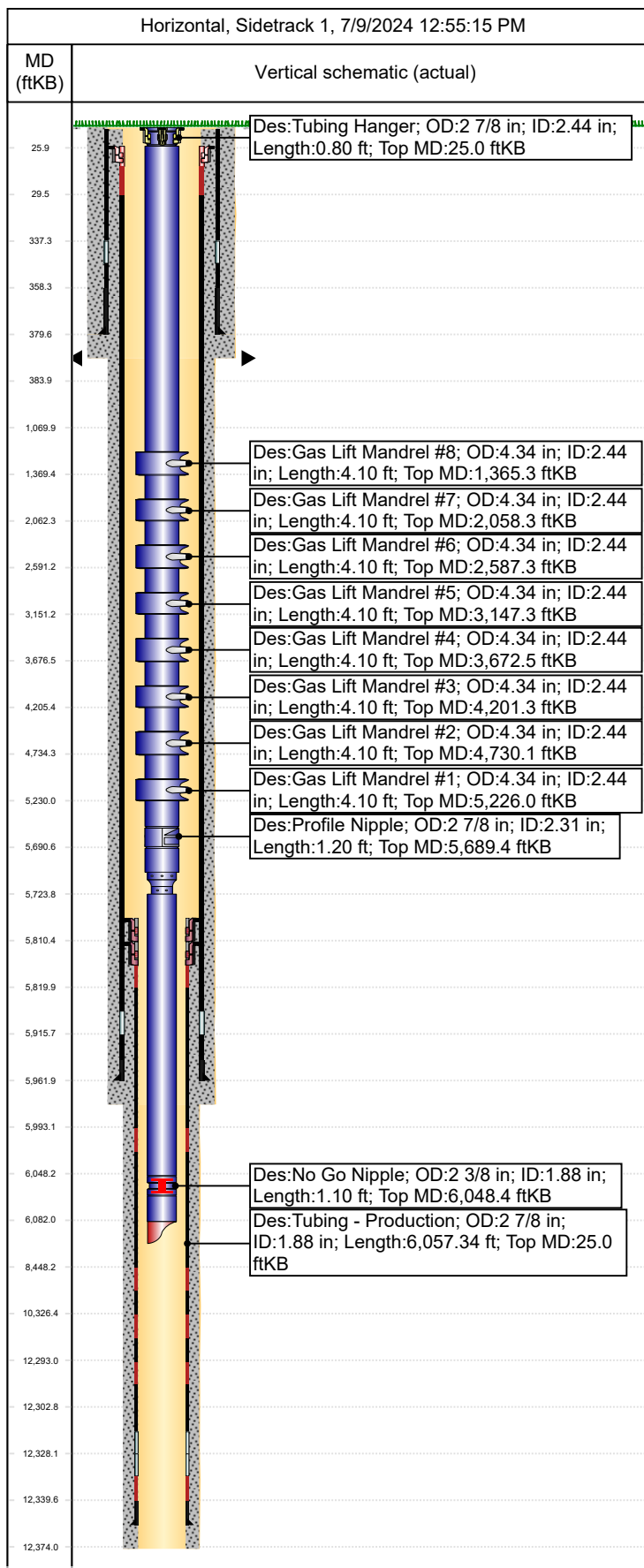


## Enduring Resources IV - Production WBD

**Well Name: Haynes Canyon Unit 440H**

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

API/UWI 30-039-31447	Surface Legal Location SW/4, SW/4, M, Section 3, TWP23N, Rng...	Field Name Lybrook	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,728.00	KB-Tubing Head Distance (ft)	Spud Date 3/5/2024 08:00	Rig Release Date	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)



Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	130	5,680.25	63.1	5,743.4	
Casing Joints	1	39.81	5,743.4	5,783.2	
Casing Pup Joint	1	5.95	5,783.2	5,789.2	
NO-GO	1	0.85	5,789.2	5,790.0	
<b>Intermediate, 5,962.0ftKB</b>					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
7	26.00	J-55	LT&C	25.8	5,962.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	0	0.00	25.8	25.8	
Landing Joint	0	0.00	25.8	25.8	
Casing Hanger	1	0.40	25.8	26.2	
Casing Pup Joint	1	3.30	26.2	29.5	
Casing Joints	134	5,884.89	29.5	5,914.4	
Float Collar	1	1.35	5,914.4	5,915.7	
Casing Joints	1	44.05	5,915.7	5,959.8	
Float Shoe	1	2.24	5,959.8	5,962.0	
<b>Liner, 12,341.0ftKB</b>					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	Buttress Thread	5,789.0	12,341.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Liner Pup Joint	0	0.00	5,789.0	5,789.0	
Casing Joints	0	0.00	5,789.0	5,789.0	
Weatherford PBR	1	21.54	5,789.0	5,810.5	
Liner Hanger	1	7.33	5,810.5	5,817.8	
X-O	1	2.18	5,817.8	5,820.0	
Casing Joints	4	173.00	5,820.0	5,993.0	
Liner Pup Joint	1	22.52	5,993.0	6,015.5	
Casing Joints	56	2,432.77	6,015.5	8,448.3	
Liner Pup Joint	1	23.00	8,448.3	8,471.3	
Casing Joints	42	1,855.06	8,471.3	10,326.4	
Liner Pup Joint	1	22.76	10,326.4	10,349.1	
Casing Joints	44	1,943.74	10,349.1	12,292.9	
Liner Pup Joint	1	5.00	12,292.9	12,297.9	
Toe Sleeve	1	5.01	12,297.9	12,302.9	
Casing Joints	1	23.55	12,302.9	12,326.4	
Landing Collar	1	1.61	12,326.4	12,328.0	
Float Collar	1	1.35	12,328.0	12,329.4	
Liner Pup Joint	1	10.05	12,329.4	12,339.4	
Float Shoe	1	1.58	12,339.4	12,341.0	

Cement		
Description	Cementing Start Date	Cementing End Date
Surface Casing Cement	3/6/2024	3/6/2024
Comment		
Cement SFC CSG: Cement Summary: Pumped 10 bbls FW Spacer, dumped 31.2 bbls (109 sx) Type I -II CMNT with 20% fly-ash @ 14.6 ppg into casing. Dropped plug and displaced with 24.53 bbls FW. Bumped plug with 400 psi. Checked floats, floats holding. Circulated 8 bbls cement to surface.		
Description	Cementing Start Date	Cementing End Date
Cement Plug	4/6/2024	4/6/2024
Comment		
Circulated Cement to Surface. Shut down cement pumping and displaced with 1.5 bbls FW. Est TOC at 327 ft MD		

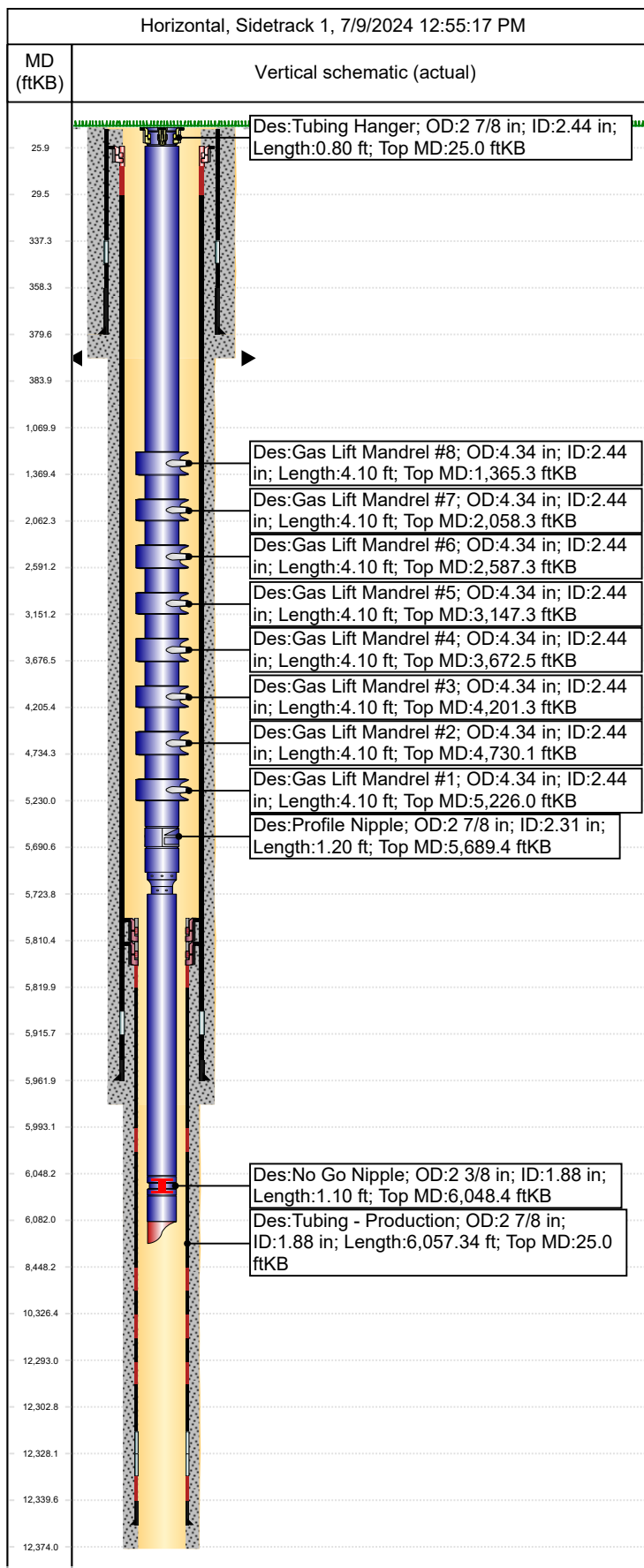


## Enduring Resources IV - Production WBD

**Well Name: Haynes Canyon Unit 440H**

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

API/UWI 30-039-31447	Surface Legal Location SW/4, SW/4, M, Section 3, TWP23N, Rng...	Field Name Lybrook	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,728.00	KB-Tubing Head Distance (ft)	Spud Date 3/5/2024 08:00	Rig Release Date	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)



Cement		
Description Intermediate Casing Cement	Cementing Start Date 4/10/2024	Cementing End Date 4/10/2024
Comment PJSM with Drake Energy Services. Pressure tested lines to 3000 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 215 bbls (561 sx) 90:10 Poz:Type III at 12.5 ppg, 2.15 ft3/sk, 12.06 gal H2O/sk. Pumped Tail Cement: 46 bbls (152 sx) Type III Blend at 13.5 ppg, 1.71 ft3/sk, 8.88 gal H2O/sk. Dropped plug & began displacement. Displaced with 226 bbls FW and plug bumped. FCP at 1790 psi at 3 BPM, bumped plug to 2190 psi. Checked floats, floats held 1.5 bbl back to truck. Maintained returns throughout job. 24 bbls of good cement to surface. (101 bbls calculated)		
Estimated top of lead: Surface Estimated top of tail: 4,323 ft MD		
Description Liner Cement	Cementing Start Date 4/18/2024	Cementing End Date 4/18/2024
Comment Cement 4.5" casing liner with 30% excess figured on 6 1/8 Hole ( American Cement Services, Rifle CO ) 5,000 psi test on lines Pumped 10 bblsFW, followed by 40 bbls IntraGuard EZ II spacer @ 10.0 ppg Primary cement: 143 bbls (530 sx) @ 13.3 ppg - 1.52 ft³/sk - 7.54 gal/sk Washed up cement lines and dropped dart. Verified dart launch at cement head. Displacement: 160 bbls FW with first 10 bbls containing retarder. Dart sheared plug at 59 bbls (1,445 psi). Landed plug on schedule at 3 BPM with 1,208 psi. Bumped plug to 2,000 psi. Floats held, 1.0 bbls back to truck. Picked up to expose packer actuator dogs & lowered into PBR to shear pins and set packer. Closed pipe rams and pressure tested liner top to 500 psi. Pressured string up to 500 psi and stung out of hanger. Increased rate to 5 BPM and established returns. Circulated 32 bbls cement and 40 bbls spacer to surface. Pumped 40 additional bbls to flush BOP and flowline.		

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/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 372377

**CONDITIONS**

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 372377
	Action Type: [C-103] Sub. Workover (C-103R)

**CONDITIONS**

Created By	Condition	Condition Date
andrew.fordyce	None	12/4/2025