

Well Name: W LYBROOK UT	Well Location: T23N / R9W / SEC 13 / SENW / 36.22877 / -107.740885	County or Parish/State: SAN JUAN / NM
Well Number: 751H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G13121856	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535806	Well Status: Approved Application for Permit to Drill	Operator: ENDURING RESOURCES LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 03/18/2021	Time Sundry Submitted: 03:16
Date Operation Actually Began: 01/28/2021	

Actual Procedure: This was originally submitted on 2/4/21 via paper due to well not being in AFMSS2. Enduring Resources performed a workover to repair the gas lift completion. An updated schematic is attached. EOT: 5,271' MD Packer: 5,071' MD GLVs: #1 @ 5,029' MD #2 @ 4,286' MD Job Start: 01/28/2021 Job End: 01/29/2021

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_751H_WBD_01292021_20210318151603.pdf

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Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HUNTINGTON
Signed on: MAR 18, 2021 03:16 PM
Name: ENDURING RESOURCES LLC
Title: Permitting Technician
Street Address: 200 Energy Court
City: Farmington **State:** NM
Phone: (505) 636-9751
Email address: HHUNTINGTON@ENDURINGRESOURCES.COM

Field Representative

Representative Name:
Street Address:
City: **State:** **Zip:**
Phone:
Email address:

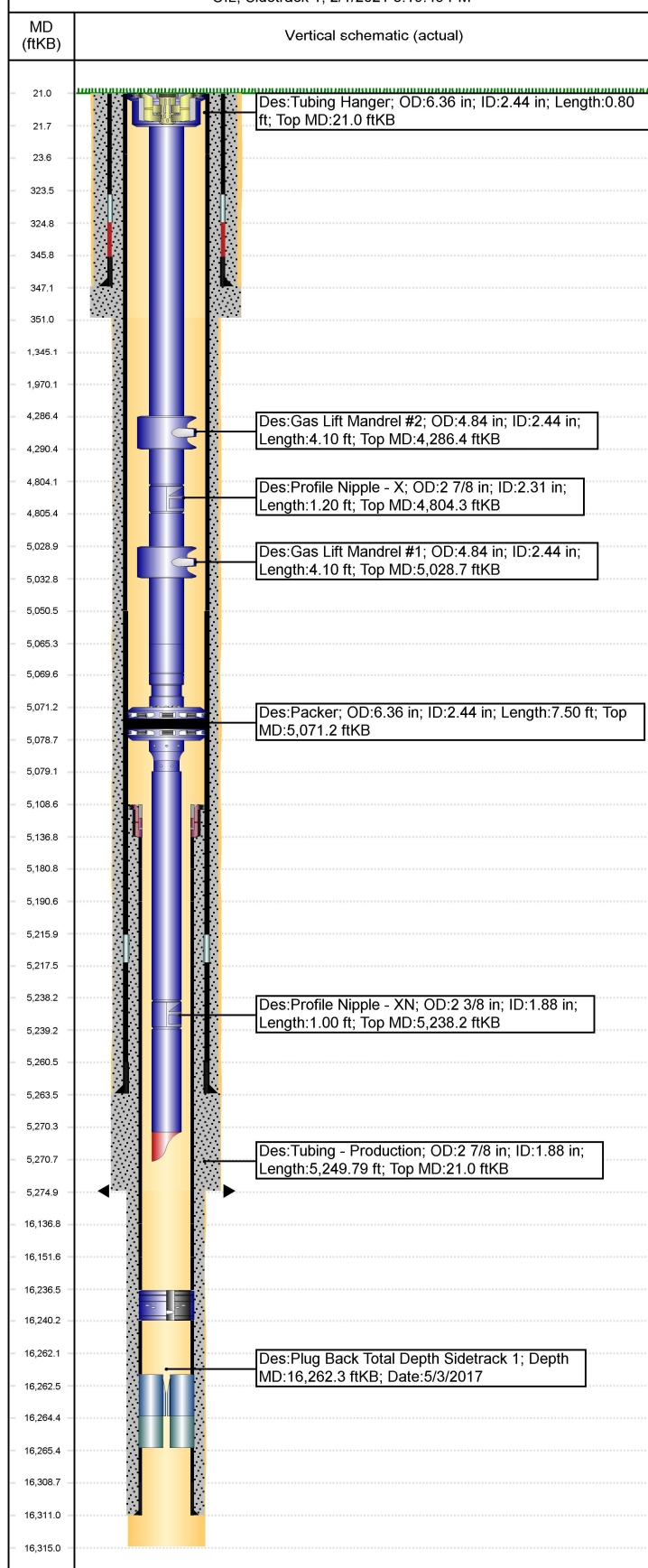
BLM Point of Contact

BLM POC Name: WILLIAM F TAMBEKOU
BLM POC Phone: 7192698500
Disposition: Accepted
Signature: William Max Tambekou
BLM POC Title: PETROLEUM ENGINEER
BLM POC Email Address: wtambekou@blm.gov
Disposition Date: 03/31/2021

WellView®**Enduring Resources IV - Production WBD****Well Name: W LYBROOK UNIT 751H**

API/UWI 30-045-35806	Surface Legal Location	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 6,721.01	KB-Tubing Head Distance (ft)	Spud Date 3/30/2017 20:30	Rig Release Date 5/4/2017 14:00	PBTD (All) (ftKB) Sidetrack 1 - 16,262.3	Total Depth All (TVD) (ftKB) Sidetrack 1 - 4,793.6

OIL, Sidetrack 1, 2/1/2021 3:19:48 PM

**Wellbore Sections**

Section Description	Size (in)	Act Top (ft...)	Act Top (T...)	Act Btm (ft...)	Act Btm (T...)
PRODUCTION	6 1/8	5,275.0	4,815.5	16,315.0	4,793.6

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 5,270.8ftKB on 1/29/2021 14:30

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing - Production	1/29/2021	5,249.79	5,270.8
Item Des	Jts	Grade	Wt (lb/ft)
		OD (in)	ID (in)
		Len (ft)	Top (ftKB)
			Btm (ftKB)
Tubing Hanger	1		
Tubing	130	J-55	6.50
Gas Lift Mandrel #2	1		
Tubing	16	J-55	6.50
Profile Nipple - X	1		
Tubing	7	J-55	6.50
Gas Lift Mandrel #1	1		
Tubing	1	J-55	6.50
Tubing (pup jt)	1	J-55	6.50
On-Off Tool (w/F-profile)	1		
Packer	1		
Cross Over	1		
Tubing	5	J-55	4.70
Profile Nipple - XN	1		
Tubing	1	J-55	4.70
Mule Shoe (pinned)	1		

SURFACE CASING, 347.1ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	ST&C	21.0	347.1
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	13	302.63	21.0	323.6	
Float Collar	1	1.22	323.6	324.9	
Casing Pup Joint	1	21.05	324.9	345.9	
Float Shoe	1	1.20	345.9	347.1	

TIE-BACK (FRAC STRING - PULLED 7/18/17), 5,113.5ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	LT&C	21.0	5,113.5
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	2	89.97	21.0	111.0	
Casing Joints (MARKER)	1	11.07	111.0	122.0	
Casing Joints	110	4,927.36	122.0	5,049.4	
Casing Joints (PUP)	2	16.77	5,049.4	5,066.2	
Casing Joints	1	44.88	5,066.2	5,111.0	
Sealing Nipple	1	2.45	5,111.0	5,113.5	

INTERMEDIATE CASING, 5,263.4ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
7	23.00	L-80	LT&C	21.0	5,263.4
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Hanger - CASING HANGER	1	2.50	21.0	23.5	
Casing Joints	116	5,027.12	23.5	5,050.6	
Casing Joints	4	165.15	5,050.6	5,215.8	
Float Collar - CASING FLOAT COLLAR	1	1.60	5,215.8	5,217.4	
Casing Joints	1	43.05	5,217.4	5,260.4	



Enduring Resources IV - Production WBD

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OIL, Sidetrack 1, 2/1/2021 3:19:53 PM					
MD (ftKB)	Vertical schematic (actual)				
21.0					
21.7					
23.6	Des:Tubing Hanger; OD:6.36 in; ID:2.44 in; Length:0.80 ft; Top MD:21.0 ftKB				
323.5					
324.8					
345.8					
347.1					
351.0					
1,345.1					
1,970.1					
4,286.4					
4,290.4	Des:Gas Lift Mandrel #2; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:4,286.4 ftKB				
4,804.1					
4,805.4	Des:Profile Nipple - X; OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,804.3 ftKB				
5,028.9					
5,032.8	Des:Gas Lift Mandrel #1; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:5,028.7 ftKB				
5,050.5					
5,065.3					
5,069.6					
5,071.2					
5,078.7	Des:Packer; OD:6.36 in; ID:2.44 in; Length:7.50 ft; Top MD:5,071.2 ftKB				
5,079.1					
5,108.6					
5,136.8					
5,180.8					
5,190.6					
5,215.9					
5,217.5					
5,238.2					
5,239.2	Des:Profile Nipple - XN; OD:2 3/8 in; ID:1.88 in; Length:1.00 ft; Top MD:5,238.2 ftKB				
5,260.5					
5,263.5					
5,270.3					
5,270.7					
5,274.9	Des:Tubing - Production; OD:2 7/8 in; ID:1.88 in; Length:5,249.79 ft; Top MD:21.0 ftKB				
16,136.8					
16,151.6					
16,236.5					
16,240.2					
16,262.1					
16,262.5	Des:Plug Back Total Depth Sidetrack 1; Depth MD:16,262.3 ftKB; Date:5/3/2017				
16,264.4					
16,265.4					
16,308.7					
16,311.0					
16,315.0					

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Shoe - CASING GUIDE SHOE	1	3.00	5,260.4	5,263.4

PRODUCTION LINER #1, 16,311.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	LT&C	5,108.7	16,311.0

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger / Packer	1	28.00	5,108.7	5,136.7
Casing Joints	1	44.02	5,136.7	5,180.7
Casing Joints (pup)	1	10.06	5,180.7	5,190.8
Casing Joints	252	10,946.19	5,190.8	16,137.0
Casing Joints (marker)	1	14.70	16,137.0	16,151.7
Casing Joints	2	84.86	16,151.7	16,236.5
Rapid Frac Sleeve	1	3.75	16,236.5	16,240.3
Casing Joints (pup)	1	22.08	16,240.3	16,262.3
Landing Collar	1	2.07	16,262.3	16,264.4
Float Collar	1	0.91	16,264.4	16,265.3
Casing Joints	1	43.42	16,265.3	16,308.7
Float Shoe	1	2.29	16,308.7	16,311.0

Cement		
Description	Cementing Start Date	Cementing End Date
Surface Casing Cement	2/27/2017	2/27/2017

Comment
Pump 10 bbls FW spacer, dump 28.9 bbls (101 sxs) Type I-II cmt w/ 20% flyash @ 14.7 PPG into casing, drop plug & disp w/ 23.8 bbls H₂O, bump plug @ 200 psi, circ 10 bbls good cmt to surface

Check float, float held, RD rig & closed-loop equipment, RU on the 751H

Description	Cementing Start Date	Cementing End Date
Cement Plug	4/4/2017	4/4/2017

Comment
Set a balanced plug, Pumped Tuned spacer-18.4bbls, 50.75bbls of plug cement 17ppg yield 3.86 26.2 mix ratio, 1.6bbls of tuned spacer, displaced with 9.7bbls of mud

Description	Cementing Start Date	Cementing End Date
INTERMEDIATE CASING	4/9/2017	4/9/2017

Comment
Cement with 70% excess on Total Hole Figured added to Lead Volume (Halliburton Services)
5,000 Psi Test on Lines
Fresh Water Spacer @ 8.3# {10 Bbls }, followed by
Chem Wash @ 8.4# {30 Bbls }, followed by
Fresh Water Spacer D38 @ 8.3# {10 Bbls }, followed by
Lead Cement @ 12.3# { 144 BBLS/435 sks HALCEM ® class C} followed by
Tail Cement @ 13.5# { 112 BBLS/505 sks VARICEM ® class C}
Displace W/ Fresh H₂O Totaling 204 Bbls
Land Plug 2100 PSI & Bump up to 2,600 PSI & Hold 5 min
Floats Held got 2 Bbl Back on Bleed off
90 bbls good cement back to surface. Plug Down 4/10/2017 04:55

Description	Cementing Start Date	Cementing End Date
PRODUCTION LINER #1	5/4/2017	5/4/2017

Comment
Cement 4.5"Casing Liner with 35% excess figured (Halliburton Services)
6,000 Psi Test on Lines
Flush Water @ 8.3# {10 BBLS }, followed by
Tuned Spacer @ 11.5# {40 BBLS }, followed by
Primary Cement @ 13.3# { 252 Bbls/1040 sks ExtendaCem® } followed by
Displacement Totaling 211 Bbls { 40 Bbls MMCR & 171 Bbls of 2% KCL }
Land Plug 2000 PSI & Bump up to 2,487 PSI & Hold 5 min
Floats Held got 1 Bbl Back on Bleed off
Plug Down 05/4/2017 04:02

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 23429

CONDITIONS

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO 80265	OGRID: 372286
	Action Number: 23429
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/2/2021