

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 34 / LOT 0 / 36.189213 / -107.772646	County or Parish/State: SAN JUAN / NM
Well Number: 767H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMNM057164, NMNM57164	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535797	Well Status: Approved Application for Permit to Drill	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2512009

Type of Submission: Subsequent Report

Date Sundry Submitted: 07/30/2021

Date Operation Actually Began: 05/19/2021

Type of Action: Workover Operations

Time Sundry Submitted: 08:20

Actual Procedure: Enduring Resources completed a workover on W LYBROOK UNIT 767H to repair the gas lift completion. An updated schematic is attached. EOT: 5,070' MD Packer: 4,930 MD GLVs: 1 @ 4,888', 2 @ 4,229', 3 @ 3,541' Job Start: 5/19/2021 Job End: 5/20/2021

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_767H_WBD_05202021_20210730081958.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: HEATHER HUNTINGTON	Signed on: JUL 30, 2021 08:20 AM
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: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 09/08/2021
Signature: Kenneth Rennick	



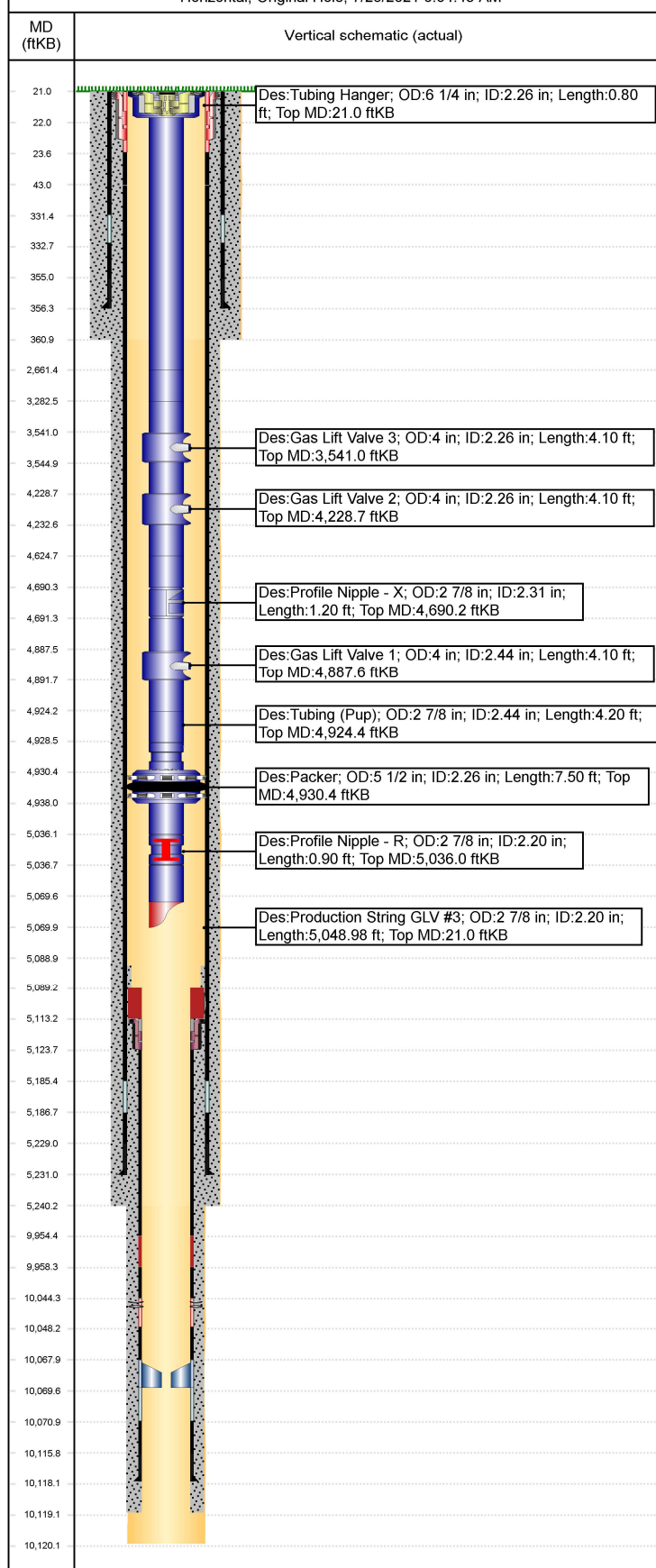
Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 767H

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

API/UWI 30-045-35797	Surface Legal Location (Unit B) NW/4, NE/4, Section 34, Twp 23...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,717.01	KB-Tubing Head Distance (ft)	Spud Date 5/21/2017 05:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Horizontal, Original Hole, 7/28/2021 6:04:43 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
SURFACE	12 1/4	21.0	21.0	361.0	361.0
INTERMEDIATE	8 3/4	361.0	361.0	5,240.0	4,530.3
PRODUCTION	6 1/8	5,240.0	4,530.3	10,120.0	

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Item Des	Jts	OD (in)	Len (ft)
			Top (ftKB)
			Btm (ftKB)

Production String GLV #3 set at 5,070.0ftKB on 5/20/2021 08:00

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Production String GLV #3		5/20/2021			5,048.98		5,070.0	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	L-80		6 1/4	2.26	0.80	21.0	21.8
Tubing (Yellow)	85	N-80	6.50	2 7/8	2.44	2,639.45	21.8	2,661.3
Tubing (Blue)	19	N-80	6.50	2 7/8	2.44	621.08	2,661.3	3,282.4
Tubing (Yellow) WS	8	N-80	6.50	2 7/8	2.44	258.64	3,282.4	3,541.0
Gas Lift Valve 3	1	L-80		4	2.26	4.10	3,541.0	3,545.1
Tubing (Yellow) WS	21	N-80	6.50	2 7/8	2.44	683.58	3,545.1	4,228.7
Gas Lift Valve 2	1	L-80		4	2.26	4.10	4,228.7	4,232.8
Tubing (Yellow) WS	12	N-80	6.50	2 7/8	2.44	391.98	4,232.8	4,624.8
Tubing (New)	2	N-80	6.50	2 7/8	2.44	65.42	4,624.8	4,690.2
Profile Nipple - X	1	L-80	6.50	2 7/8	2.31	1.20	4,690.2	4,691.4
Tubing (New)	6	N-80	6.50	2 7/8	2.44	196.22	4,691.4	4,887.6
Gas Lift Valve 1	1	L-80		4	2.44	4.10	4,887.6	4,891.7
Tubing (New)	1	N-80	6.50	2 7/8	2.44	32.68	4,891.7	4,924.4
Tubing (Pup)	1	L-80	6.50	2 7/8	2.44	4.20	4,924.4	4,928.6
On-Off Tool	1	L-80		2 7/8	2.26	1.82	4,928.6	4,930.4
Packer	1	L-80		5 1/2	2.26	7.50	4,930.4	4,937.9
Tubing (Blue)	3	N-80	6.50	2 7/8	2.44	98.11	4,937.9	5,036.0
Profile Nipple - R	1	L-80		2 7/8	2.20	0.90	5,036.0	5,036.9
Tubing (Blue)	1	N-80	6.50	2 7/8	2.44	32.70	5,036.9	5,069.6
Mule Shoe	1	L-80		2 7/8	2.44	0.40	5,069.6	5,070.0

SURFACE CASING, 356.3ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection ST&C	Top (ftKB) 21.0	Set Depth (ftKB) 356.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing - Casing, Casing, in, ppf, , ,			14	310.40	21.0	331.4
Float Collar - Float Collar, Float Collar, in, ppf, , ,			1	1.17	331.4	332.6
Casing - Casing, Casing, in, ppf, , ,			1	22.53	332.6	355.1
Casing Shoe - Casing Shoe, Casing Shoe, in, ppf, , ,			1	1.21	355.1	356.3

INTERMEDIATE CASING, 5,231.0ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 21.0	Set Depth (ftKB) 5,231.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger - LANDING MANDREL			1	2.50	21.0	23.5
Casing - PUP JOINT			1	19.56	23.5	43.1
Casing Joints			121	5,142.17	43.1	5,185.2



Enduring Resources IV - Production WBD

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Original KB Elevation (ft) 6,717.01	KB-Tubing Head Distance (ft)	Spud Date 5/21/2017 05:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Horizontal, Original Hole, 7/28/2021 6:04:46 AM					
MD (ftKB)	Vertical schematic (actual)				
21.0	Des:Tubing Hanger; OD:6 1/4 in; ID:2.26 in; Length:0.80 ft; Top MD:21.0 ftKB				
22.0					
23.6					
43.0					
331.4					
332.7					
355.0					
356.3					
360.9					
2,661.4					
3,282.5					
3,541.0	Des:Gas Lift Valve 3; OD:4 in; ID:2.26 in; Length:4.10 ft; Top MD:3,541.0 ftKB				
3,544.9					
4,228.7	Des:Gas Lift Valve 2; OD:4 in; ID:2.26 in; Length:4.10 ft; Top MD:4,228.7 ftKB				
4,232.6					
4,624.7					
4,690.3	Des:Profile Nipple - X; OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,690.2 ftKB				
4,691.3					
4,887.5	Des:Gas Lift Valve 1; OD:4 in; ID:2.44 in; Length:4.10 ft; Top MD:4,887.6 ftKB				
4,891.7					
4,924.2	Des:Tubing (Pup); OD:2 7/8 in; ID:2.44 in; Length:4.20 ft; Top MD:4,924.4 ftKB				
4,928.5					
4,930.4	Des:Packer; OD:5 1/2 in; ID:2.26 in; Length:7.50 ft; Top MD:4,930.4 ftKB				
4,938.0					
5,036.1	Des:Profile Nipple - R; OD:2 7/8 in; ID:2.20 in; Length:0.90 ft; Top MD:5,036.0 ftKB				
5,036.7					
5,069.6	Des:Production String GLV #3; OD:2 7/8 in; ID:2.20 in; Length:5,048.98 ft; Top MD:21.0 ftKB				
5,069.9					
5,088.9					
5,089.2					
5,113.2					
5,123.7					
5,185.4					
5,186.7					
5,229.0					
5,231.0					
5,240.2					
9,954.4					
9,958.3					
10,044.3					
10,048.2					
10,067.9					
10,069.6					
10,070.9					
10,115.8					
10,118.1					
10,119.1					
10,120.1					

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Float Collar	1	1.60	5,185.2	5,186.8
Casing - Shoe Joint	1	42.15	5,186.8	5,229.0
Float Shoe	1	2.00	5,229.0	5,231.0

PRODUCTION LINER #1, 10,118.0ftKB

OD (in)	WT/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	LT&C	5,089.3	10,118.0

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger Packer	1	24.02	5,089.3	5,113.3
Liner Hanger	1	10.30	5,113.3	5,123.6
Casing Joints	109	4,830.64	5,123.6	9,954.3
Marker Joint	1	4.09	9,954.3	9,958.4
Casing Joints	2	86.03	9,958.4	10,044.4
Rapid Frac Sleeve	1	3.73	10,044.4	10,048.1
Pup Joint	1	19.69	10,048.1	10,067.8
Landing Collar	1	1.59	10,067.8	10,069.4
Float Collar	1	1.36	10,069.4	10,070.8
Casing Joints	1	45.02	10,070.8	10,115.8
Float Shoe	1	2.23	10,115.8	10,118.0

Cement

Description	Cementing Start Date	Cementing End Date
SURFACE CASING CEMENT	4/4/2017	4/4/2017

Comment

Pump 10 bbls FW spacer, dump 28.9 bbls (101 sxs) Type I-II cmt w/ 20% flyash @ 14.6 PPG into casing, drop plug & disp w/ 24 bbls H2O, bump plug @ 400 psi, circ 10 bbls good cmt to surface

Description	Cementing Start Date	Cementing End Date
INTERMEDIATE CASING CEMENT	5/23/2017	5/23/2017

Comment

Cement with Halliburton { 50% excess on 8 7/8 Total Hole Figured, added to Lead Volume }
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 @ 8.3# {10 Bbls }, followed by
Lead Cement @ 12.3# { 107.7 BBLS/310 sks HALCEM ® } followed by
Tail Cement @ 13.5# { 115.8 BBLS/500 sks VARICEM ® }
Displace W/ Fresh H2O totaling 204 Bbls
Go 1.5 Bbl over w/ No Plug Bump.
Flowback and check floats, Floats Held got 1 Bbl Back on Bleed off
35 bbls good cement back to surface. NO Bump Plug Down 05/23/2017 05:46

Description	Cementing Start Date	Cementing End Date
PROD LINER CEMENT	5/25/2017	5/26/2017

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# { 113 BBLS/470 sks ExtendaCem ® } followed by
Displacement totaling 116 Bbls { 40 Bbls MMCR & 76 Bbls of 2% KCL }
Land Plug 1000 PSI & Bump up to 2,150 PSI & Hold 5 min
Floats Held got 1 Bbl Back on Bleed off
Plug Down 5/26/2017 01:31"

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

COMMENTS

Action 53710

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53710
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 53710

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53710
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/7/2022