

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 23 / SENE / 36.214537 / -107.751721	County or Parish/State: SAN JUAN / NM
Well Number: 771H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G13121862	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535894	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2502947

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 06/10/2021	Time Sundry Submitted: 02:48
Date Operation Actually Began: 05/09/2021	

Actual Procedure: EOT: 4,940' MD Packer: 4,423' MD GLVs: 5 (2,384' MD, 3,336' MD, 3,830' MD, 4,291' MD, 4,885' MD) Job Start: 05/09/2021 Job End: 05/18/2021

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_771H_WBD_05182021_20210610144751.pdf

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 23 / SENE / 36.214537 / -107.751721	County or Parish/State: SAN JUAN / NM
Well Number: 771H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G13121862	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535894	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

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: JUN 10, 2021 02:47 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: 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	



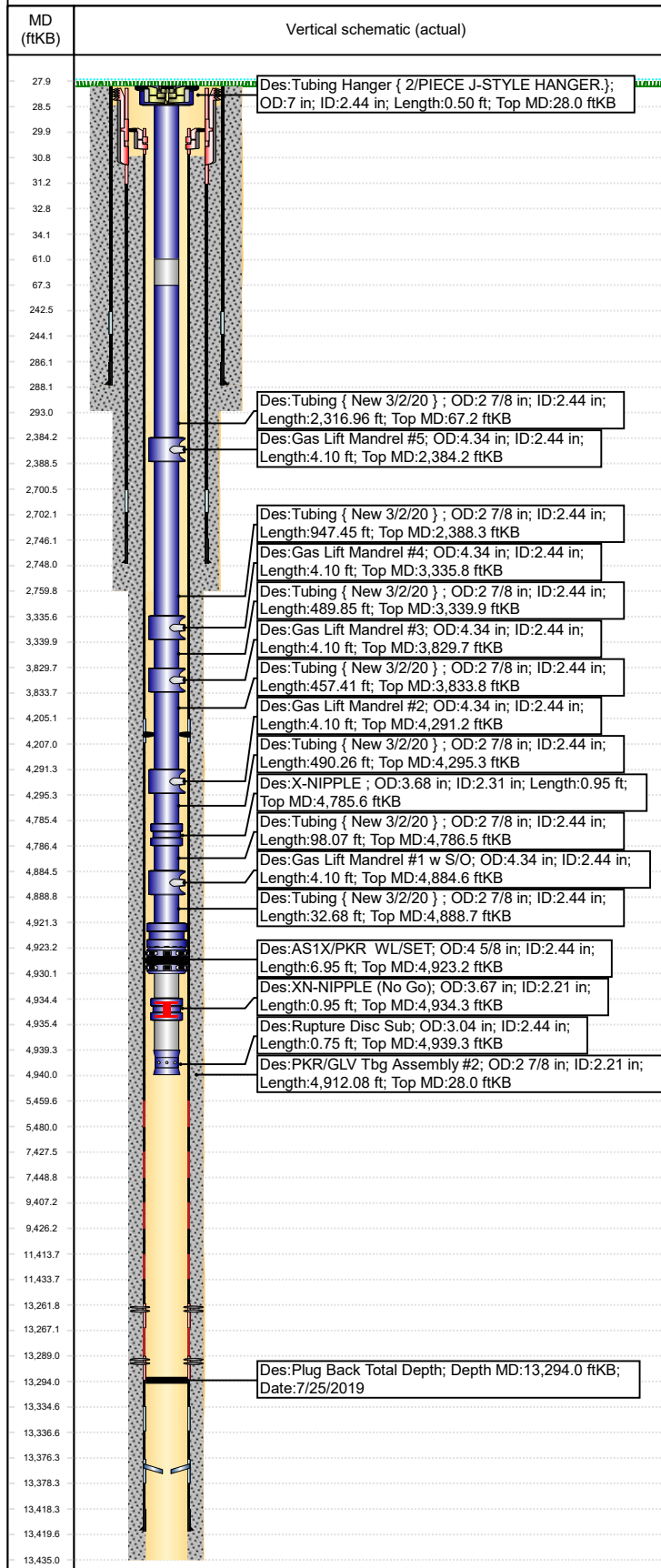
Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 771H

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

API/UWI 30-045-35894	Surface Legal Location (Unit H) SE/4, NE/4, Section 23, Twp 23N...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,765.00	KB-Tubing Head Distance (ft)	Spud Date 6/18/2019 12:15	Rig Release Date 7/25/2019 13:00	PBTD (All) (ftKB) Original Hole - 13,294.0	Total Depth All (TVD) (ftKB) Original Hole - 4,719.5

Horizontal, Original Hole, 6/7/2021 1:20:01 PM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface Hole	17 1/2	28.0	28.0	293.0	293.0
Intermediate Hole	12 1/4	293.0	293.0	2,760.0	2,708.4
Production Hole	8 1/2	2,760.0	2,708.4	13,435.0	4,719.5

Rod Strings

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

PKR/GLV Tbg Assembly #2 set at 4,940.1ftKB on 5/18/2021 08:00

Tubing Description PKR/GLV Tbg Assembly #2		Run Date 5/18/2021			String Length (ft) 4,912.08		Set Depth (ftKB) 4,940.1	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger { 2/PIECE J-STYLE HANGER. }	1			7	2.44	0.50	28.0	28.5
Tubing { New 3-2-20 }	1	L-80	6.50	2 7/8	2.44	32.65	28.5	61.2
Tubing Pup Joint	1	L-80	6.50	2 7/8	2.44	6.10	61.2	67.3
Tubing { New 3/2/20 }	72	L-80	6.50	2 7/8	2.44	2,316.96	67.3	2,384.2
Gas Lift Mandrel #5	1	L-80		4.335	2.44	4.10	2,384.2	2,388.3
Tubing { New 3/2/20 }	29	L-80	6.50	2 7/8	2.44	947.45	2,388.3	3,335.8
Gas Lift Mandrel #4	1	L-80		4.335	2.44	4.10	3,335.8	3,339.9
Tubing { New 3/2/20 }	15	L-80	6.50	2 7/8	2.44	489.85	3,339.9	3,829.7
Gas Lift Mandrel #3	1	L-80		4.335	2.44	4.10	3,829.7	3,833.8
Tubing { New 3/2/20 }	14	L-80	6.50	2 7/8	2.44	457.41	3,833.8	4,291.2
Gas Lift Mandrel #2	1	L-80		4.335	2.44	4.10	4,291.2	4,295.3
Tubing { New 3/2/20 }	15	L-80	6.50	2 7/8	2.44	490.26	4,295.3	4,785.6
X-NIPPLE	1			3.68	2.31	0.95	4,785.6	4,786.5
Tubing { New 3/2/20 }	3	L-80	6.50	2 7/8	2.44	98.07	4,786.5	4,884.6
Gas Lift Mandrel #1 w S/O	1	L-80		4.335	2.44	4.10	4,884.6	4,888.7
Tubing { New 3/2/20 }	1	L-80	6.50	2 7/8	2.44	32.68	4,888.7	4,921.4
On-Off Tool	1			4 5/8	2.44	1.85	4,921.4	4,923.2
AS1X/PKR WL/SET	1			4 5/8	2.44	6.95	4,923.2	4,930.2
Tubing Pup Joint	1	L-80	6.50	2 7/8	2.44	4.10	4,930.2	4,934.3
XN-NIPPLE (No Go)	1			3.668	2.21	0.95	4,934.3	4,935.2
Tubing Pup Joint	1	L-80	6.50	2 7/8	2.44	4.10	4,935.2	4,939.3
Rupture Disc Sub	1			3.04	2.44	0.75	4,939.3	4,940.1

Surface Casing, 287.9ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
13 3/8	54.50	J-55		28.0	287.9



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 771H

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

API/UWI 30-045-35894	Surface Legal Location (Unit H) SE/4, NE/4, Section 23, Twp 23N...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,765.00	KB-Tubing Head Distance (ft)	Spud Date 6/18/2019 12:15	Rig Release Date 7/25/2019 13:00	PBTD (All) (ftKB) Original Hole - 13,294.0	Total Depth All (TVD) (ftKB) Original Hole - 4,719.5

Horizontal, Original Hole, 6/7/2021 1:20:02 PM					
MD (ftKB)	Vertical schematic (actual)				
27.9					
28.5					
29.9					
30.8					
31.2					
32.8					
34.1					
61.0					
67.3					
242.5					
244.1					
266.1					
268.1					
293.0					
2,384.2					
2,388.5					
2,700.5					
2,702.1					
2,746.1					
2,748.0					
2,759.8					
3,335.6					
3,339.9					
3,829.7					
3,833.7					
4,205.1					
4,207.0					
4,291.3					
4,295.3					
4,785.4					
4,786.4					
4,884.5					
4,888.8					
4,921.3					
4,923.2					
4,930.1					
4,934.4					
4,935.4					
4,939.3					
4,940.0					
5,459.6					
5,480.0					
7,427.5					
7,448.8					
9,407.2					
9,426.2					
11,413.7					
11,433.7					
13,261.8					
13,267.1					
13,289.0					
13,294.0					
13,334.6					
13,336.6					
13,376.3					
13,378.3					
13,418.3					
13,419.6					
13,435.0					

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	5	214.55	28.0	242.6	
Float Collar		1.49	242.6	244.0	
Casing Joints	1	42.00	244.0	286.0	
Float Shoe		1.87	286.0	287.9	
Intermediate, 2,748.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	LT&C	28.0	2,748.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Landing Joint - 36.24'	1	0.00	28.0	28.0	
Manderal	1	3.20	28.0	31.2	
Pup	1	3.00	31.2	34.2	
Casing Joints	61	2,666.35	34.2	2,700.6	
Float Collar	1	1.40	2,700.6	2,702.0	
Casing Joints	1	44.10	2,702.0	2,746.1	
Float Shoe	1	1.90	2,746.1	2,748.0	
Production, 13,419.5ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	17.00	P-110	LT&C	29.8	13,419.5
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	0	0.00	29.8	29.8	
Landing Joint = 35.22'	1	0.00	29.8	29.8	
Mandrel Hanger	1	1.00	29.8	30.8	
Pup Joint	1	2.00	30.8	32.8	
Casing Joints	103	4,172.23	32.8	4,205.0	
NCS Airlock Sub	1	2.07	4,205.0	4,207.1	
Casing Joints	31	1,252.68	4,207.1	5,459.7	
Marker Joint V	1	20.20	5,459.7	5,479.9	
Casing Joints	48	1,947.69	5,479.9	7,427.6	
Marker Joint IV	1	21.10	7,427.6	7,448.7	
Casing Joints	48	1,958.46	7,448.7	9,407.2	
Marker Joint III	1	19.10	9,407.2	9,426.3	
Casing Joints	49	1,987.42	9,426.3	11,413.7	
Marker Joint II	1	20.00	11,413.7	11,433.7	
Casing Joints	45	1,828.20	11,433.7	13,261.9	
Toe Sleeve (9500 psi)	1	5.10	13,261.9	13,267.0	
Marker Joint A	1	22.02	13,267.0	13,289.0	
Toe Sleeve (8500 psi)	1	5.10	13,289.0	13,294.1	
Casing Joints	1	40.59	13,294.1	13,334.7	
Float Collar	1	1.92	13,334.7	13,336.6	
Casing Joints	1	39.81	13,336.6	13,376.4	
Float Collar	1	1.92	13,376.4	13,378.4	
Casing Joints	1	39.94	13,378.4	13,418.3	
Float Shoe	1	1.20	13,418.3	13,419.5	
Cement					
Description	Cementing Start Date		Cementing End Date		
Surface Casing Cement	6/19/2019		6/19/2019		
Comment 66.2 bbl (315 sx) Type G cement					
Description	Cementing Start Date		Cementing End Date		
Intermediate Casing Cement	7/7/2019		7/7/2019		
Comment PJSM with Halliburton. Pressure tested lines to 4670 psi. Pumped 10 bbls FW, 20 bbls Chem Wash, & 10 bbls of FW. Pumped Lead Cement: 193 bbls (570 sx) Econocem at 12.5 ppg, 1.90 ft3/sk, 9.95 gal H2O/sk. Pumped Tail Cement: 37 bbls (180 sx) Halcem at 15.8 ppg, 1.15 ft3/sk, 5.08 gal H2O/sk. Dropped plug & began displacement. Displaced with 209 bbls FW. FCP at 1470 psi and plug bumped at 3.0 bpm to 951 psi. Bled back 1 Bbls and floats held. Maintained returns throughout job. Calculated 70 bbls to surface and got 60 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,149 ft MD.					



Enduring Resources IV - Production WBD

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

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Horizontal, Original Hole, 6/7/2021 1:20:03 PM		Cement		
MD (ftKB)	Vertical schematic (actual)	Description Production Casing Cement	Cementing Start Date 7/25/2019	Cementing End Date 7/25/2019
27.9		Comment PJSM with Halliburton. Pressure tested lines to 4500 psi. Pumped 60 bbls Tuned Spacer III @ 11.5 ppg. Pumped Lead Cement: 200.7 bbls (590 sx) Econocem at 12.4 ppg, 1.91 ft3/sk, 9.99 gal H2O/sk. Pumped Tail Cement: 438.4 bbls (1810 sx) Extendacem at 13.3 ppg, 1.36 ft3/sk, 6.0 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 304 bbls FW. FCP at 1,450 psi and plug bumped at 3.0 bpm to 1,710 psi. Bled back 1.0 Bbls and floats held. Maintained returns throughout job. Calculated 71.4 bbls to surface and got 60 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,696 ft MD.		
28.5				
29.9				
30.8				
31.2				
32.8				
34.1				
61.0				
67.3				
242.5				
244.1				
266.1				
268.1				
293.0				
2,384.2				
2,388.5				
2,700.5				
2,702.1				
2,746.1				
2,748.0				
2,759.8				
3,335.6				
3,339.9				
3,829.7				
3,833.7				
4,205.1				
4,207.0				
4,291.3				
4,295.3				
4,785.4				
4,786.4				
4,884.5				
4,888.8				
4,921.3				
4,923.2				
4,930.1				
4,934.4				
4,935.4				
4,939.3				
4,940.0				
5,459.6				
5,480.0				
7,427.5				
7,448.8				
9,407.2				
9,426.2				
11,413.7				
11,433.7				
13,261.8				
13,267.1				
13,289.0				
13,294.0				
13,334.6				
13,336.6				
13,376.3				
13,378.3				
13,418.3				
13,419.6				
13,435.0				
	Des:Tubing Hanger { 2/PIECE J-STYLE HANGER.}; OD:7 in; ID:2.44 in; Length:0.50 ft; Top MD:28.0 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:2,316.96 ft; Top MD:67.2 ftKB			
	Des:Gas Lift Mandrel #5; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:2,384.2 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:947.45 ft; Top MD:2,388.3 ftKB			
	Des:Gas Lift Mandrel #4; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,335.8 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:489.85 ft; Top MD:3,339.9 ftKB			
	Des:Gas Lift Mandrel #3; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,829.7 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:457.41 ft; Top MD:3,833.8 ftKB			
	Des:Gas Lift Mandrel #2; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,291.2 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:490.26 ft; Top MD:4,295.3 ftKB			
	Des:X-NIPPLE ; OD:3.68 in; ID:2.31 in; Length:0.95 ft; Top MD:4,785.6 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:98.07 ft; Top MD:4,786.5 ftKB			
	Des:Gas Lift Mandrel #1 w S/O; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,884.6 ftKB			
	Des:Tubing { New 3/2/20 } ; OD:2 7/8 in; ID:2.44 in; Length:32.68 ft; Top MD:4,888.7 ftKB			
	Des:AS1X/PKR WL/SET; OD:4 5/8 in; ID:2.44 in; Length:6.95 ft; Top MD:4,923.2 ftKB			
	Des:XN-NIPPLE (No Go); OD:3.67 in; ID:2.21 in; Length:0.95 ft; Top MD:4,934.3 ftKB			
	Des:Rupture Disc Sub; OD:3.04 in; ID:2.44 in; Length:0.75 ft; Top MD:4,939.3 ftKB			
	Des:PKR/GLV Tbg Assembly #2; OD:2 7/8 in; ID:2.21 in; Length:4,912.08 ft; Top MD:28.0 ftKB			
	Des:Plug Back Total Depth; Depth MD:13,294.0 ftKB; Date:7/25/2019			

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 53627

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53627
	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
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 53627

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53627
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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