

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 23 / SENE / 36.214633 / -107.751787	County or Parish/State: SAN JUAN / NM
Well Number: 770H	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: 3004535893	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2502945

Type of Submission: Subsequent Report

Date Sundry Submitted: 06/10/2021

Date Operation Actually Began: 05/09/2021

Type of Action: Workover Operations

Time Sundry Submitted: 02:44

Actual Procedure: Enduring Resources performed a workover to clean out the lateral with coiled tubing. An updated gas lift completion was installed after the clean-out. An updated well schematic is attached. EOT: 4,442' MD Packer: 4,421' MD GLVs: 4 (2,449'MD , 3,368' MD, 3,857' MD, 4,382' MD) Job Start: 05/09/2021 Job End: 05/17/2021

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_770H_WBD_05172021_20210610144424.pdf

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Well Number: 770H	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: 3004535893	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 02:44 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 Phone: 5055647742
Disposition: Accepted
Signature: Kenneth Rennick
BLM POC Title: Petroleum Engineer
BLM POC Email Address: krennick@blm.gov
Disposition Date: 09/08/2021



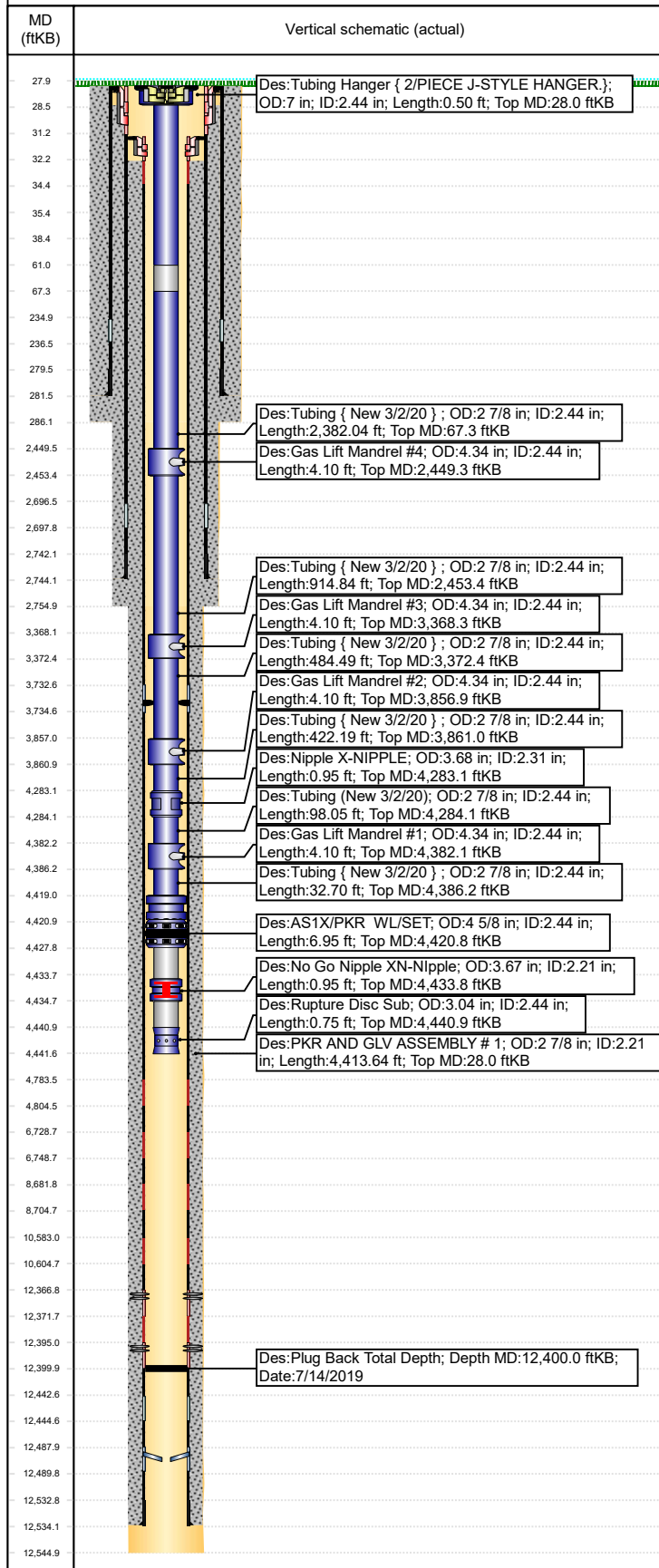
Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 770H

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

API/UWI 30-045-35893	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 6/17/2019 08:30	Rig Release Date 7/14/2019 06:00	PBTD (All) (ftKB) Original Hole - 12,400.0	Total Depth All (TVD) (ftKB) Original Hole - 4,316.3

Horizontal, Original Hole , 6/7/2021 1:20:42 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	286.0	286.0
Intermediate Hole	12 1/4	286.0	286.0	2,755.0	2,641.7
Production Hole	8 1/2	2,755.0	2,641.7	12,545.0	4,316.3

Rod Strings

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

PKR AND GLV ASSEMBLY # 1 set at 4,441.6ftKB on 5/17/2021 10:00

Tubing Description PKR AND GLV ASSEMBLY # 1		Run Date 5/17/2021			String Length (ft) 4,413.64		Set Depth (ftKB) 4,441.6	
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	32.68	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 }	73	L-80	6.50	2 7/8	2.44	2,382.04	67.3	2,449.3
Gas Lift Mandrel #4	1	L-80		4.335	2.44	4.10	2,449.3	2,453.4
Tubing { New 3/2/20 }	28	L-80	6.50	2 7/8	2.44	914.84	2,453.4	3,368.3
Gas Lift Mandrel #3	1	L-80		4.335	2.44	4.10	3,368.3	3,372.4
Tubing { New 3/2/20 }	15	L-80	6.50	2 7/8	2.44	484.49	3,372.4	3,856.9
Gas Lift Mandrel #2	1	L-80		4.335	2.44	4.10	3,856.9	3,861.0
Tubing { New 3/2/20 }	13	L-80	6.50	2 7/8	2.44	422.19	3,861.0	4,283.1
Nipple X-NIPPLE	1			3.68	2.31	0.95	4,283.1	4,284.1
Tubing (New 3/2/20)	3	L-80	6.50	2 7/8	2.44	98.05	4,284.1	4,382.1
Gas Lift Mandrel #1	1	L-80		4.335	2.44	4.10	4,382.1	4,386.2
Tubing { New 3/2/20 }	1	L-80	6.50	2 7/8	2.44	32.70	4,386.2	4,418.9
On-Off Tool	1			4 5/8	2.31	1.85	4,418.9	4,420.8
AS1X/PKR WL/SET	1			4 5/8	2.44	6.95	4,420.8	4,427.7
Tubing Pup Joint	1	L-80	6.50	2 7/8	2.44	6.10	4,427.7	4,433.8
No Go Nipple XN-Nipple	1			3.668	2.21	0.95	4,433.8	4,434.8
Tubing Pup Joint	1	L-80	6.50	2 7/8	2.44	6.10	4,434.8	4,440.9
Rupture Disc Sub	1			3.04	2.44	0.75	4,440.9	4,441.6

Surface Casing, 281.4ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection	Top (ftKB) 28.0	Set Depth (ftKB) 281.4	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			5	206.99	28.0	235.0
Float Collar				1.49	235.0	236.5
Casing Joints			1	43.07	236.5	279.6
Float Shoe				1.87	279.6	281.4



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 770H

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

API/UWI 30-045-35893	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 6/17/2019 08:30	Rig Release Date 7/14/2019 06:00	PBTD (All) (ftKB) Original Hole - 12,400.0	Total Depth All (TVD) (ftKB) Original Hole - 4,316.3

Horizontal, Original Hole , 6/7/2021 1:20:43 PM		Intermediate Casing, 2,744.0ftKB						
MD (ftKB)	Vertical schematic (actual)	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	2,744.0	
		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
27.9		Landing Joint - 39.44'		1	0.00	28.0	28.0	
28.5		Mandrel		1	3.20	28.0	31.2	
31.2		Pup Joint		1	4.30	31.2	35.5	
32.2		Pup Joint		1	3.00	35.5	38.5	
34.4		Casing Joints		61	2,658.06	38.5	2,696.6	
35.4		Float Collar		1	1.40	2,696.6	2,698.0	
38.4		Casing Joints		1	44.11	2,698.0	2,742.1	
61.0		Float Shoe		1	1.90	2,742.1	2,744.0	
67.3		Production Casing, 12,534.0ftKB						
234.9			5 1/2	17.00	P-110	LT&C	31.3	12,534.0
279.5		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
281.5		Landing Joint - 35.22'		1	0.00	31.3	31.3	
286.1		Mandrel Hanger		1	1.00	31.3	32.3	
2,449.5		Pup joint		1	2.00	32.3	34.3	
2,453.4		Casing Joints		88	3,698.26	34.3	3,732.6	
2,696.5		Air lock		1	2.07	3,732.6	3,734.6	
2,697.8		Casing Joints		25	1,048.83	3,734.6	4,783.5	
2,742.1		Marker Joint #5		1	21.10	4,783.5	4,804.6	
2,744.1		Casing Joints		46	1,924.13	4,804.6	6,728.7	
2,754.9		Marker Joint #4		1	20.00	6,728.7	6,748.7	
3,368.1		Casing Joints		46	1,933.08	6,748.7	8,681.8	
3,372.4		Marker Joint #3		1	22.92	8,681.8	8,704.7	
3,732.6		Casing Joints		45	1,878.19	8,704.7	10,582.9	
3,734.6		Marker Joint #2		1	21.68	10,582.9	10,604.6	
3,857.0		Casing Joints		43	1,762.14	10,604.6	12,366.7	
3,860.9		9500 Toe sleeve		1	5.10	12,366.7	12,371.8	
4,283.1		Marker Joint #1		1	23.18	12,371.8	12,395.0	
4,284.1		8500 Toe sleeve		1	5.10	12,395.0	12,400.1	
4,382.2		Casing Joints		1	42.61	12,400.1	12,442.7	
4,386.2		Float Collar		1	1.92	12,442.7	12,444.6	
4,419.0		Casing Joints		1	43.15	12,444.6	12,487.8	
4,420.9		Float Collar (Debris Catcher)		1	1.92	12,487.8	12,489.7	
4,427.8		Casing Joints		1	43.12	12,489.7	12,532.8	
4,433.7		Shoe		1	1.20	12,532.8	12,534.0	
4,434.7		Cement						
4,440.9		Description Surface Casing Cement		Cementing Start Date 6/18/2019		Cementing End Date 6/18/2019		
4,441.6		Comment 66.2 bbl (315 sx) Type G cement						
4,783.5		Description Intermediate Casing Cement		Cementing Start Date 7/3/2019		Cementing End Date 7/3/2019		
4,804.5		Comment 2 HR Idle while rig walked to (W Lybrook Unit 768). PJSM with Halliburton. Pressure tested lines to 3500 psi. Pumped 10 bbls FW, 20 bbls Chem Wash, & 10 bbls of FW. Pumped Lead Cement: 203 bbls (570 sx) Econocem at 12.3 ppg, 2.0 ft3/sk, 9.95 gal H2O/sk. Pumped Tail Cement: 36.9 bbls (180 sx) Halcem at 15.8 ppg, 1.15 ft3/sk, 5.08 gal H2O/sk. Dropped plug & began displacement. Displaced with 208 bbls FW. FCP at 940 psi and plug bumped at 3.0 bpm to 1,580 psi. Bled back 1.5 Bbls and floats held. Maintained returns throughout job. Calculated 80 bbls to surface and got 50 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,057 ft MD. Released Rig @ 02:00 07/03/2019 to the W Lybrook Unit #768H.						
6,728.7								
6,748.7								
8,681.8								
8,704.7								
10,583.0								
10,604.7								
12,366.8								
12,371.7								
12,395.0								
12,399.9								
12,442.6								
12,444.6								
12,487.9								
12,489.8								
12,532.8								
12,534.1								
12,544.9								



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 770H

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Horizontal, Original Hole , 6/7/2021 1:20:45 PM		Cement		
MD (ftKB)	Vertical schematic (actual)	Description Production Casing Cement	Cementing Start Date 7/14/2019	Cementing End Date 7/14/2019
27.9		Comment 2 HR Idle while rig walked to (W Lybrook Unit 768 H). PJSM with Halliburton. Pressure tested lines to 5000 psi. Pumped 60 bbl's Tuned Spacer. Pumped Lead Cement: 176.8 bbl's (520 sx) Econocem at 12.3 ppg, 1.91 ft3/sk, 9.99 gal H2O/sk. Pumped Tail Cement: 411.7 bbl's (1700 sx) Halcem at 13.3 ppg, 1.36 ft3/sk, 6.0 gal H2O/sk. Dropped plug & began displacement. Displaced with 288.6 bbl's FW. FCP at 1,520 psi and plug bumped at 3.0 bpm to 2,642 psi. Bled back 2.5 Bbl's and floats held. Maintained returns throughout job. Calculated 56 bbl's to surface and got 24 bbl's of good cement to surface. Top of Lead to surface and top of tail at 2,507 ft MD. Released Rig @ 06:00 07/14/2019 to the W Lybrook Unit #768H.		
28.5				
31.2				
32.2				
34.4				
35.4				
38.4				
61.0				
67.3				
234.9				
236.5				
279.5				
281.5				
286.1				
2,449.5				
2,453.4				
2,696.5				
2,697.8				
2,742.1				
2,744.1				
2,754.9				
3,368.1				
3,372.4				
3,372.6				
3,734.6				
3,857.0				
3,860.9				
4,283.1				
4,284.1				
4,382.2				
4,386.2				
4,419.0				
4,420.9				
4,427.8				
4,433.7				
4,434.7				
4,440.9				
4,441.6				
4,783.5				
4,804.5				
6,728.7				
6,748.7				
8,681.8				
8,704.7				
10,583.0				
10,604.7				
12,366.8				
12,371.7				
12,395.0				
12,399.9				
12,442.6				
12,444.6				
12,487.9				
12,489.8				
12,532.8				
12,534.1				
12,544.9				

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 53624

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53624
	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 53624

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53624
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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