

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 23 / SENE / 36.214489 / -107.751687	County or Parish/State: SAN JUAN / NM
Well Number: 769H	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: 3004535892	Well Status: Drilling Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2651761

Type of Submission: Subsequent Report Type of Action: Workover Operations

Date Sundry Submitted: 01/10/2022 Time Sundry Submitted: 09:00

Date Operation Actually Began: 12/06/2021

Actual Procedure: Enduring Resources completed a workover on the subject well to install a down-hole pressure gauge. An updated schematic is attached. Job Start: 12/06/2021 Job End: 12/07/2021 EOT: 4,925' MD PACKER: 4,851' MD DHG: 4,813' MD

SR Attachments

Actual Procedure

WLU_769H_WBD_12072021_20220110085838.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: JAN 10, 2022 08:58 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: 01/14/2022
Signature: Kenneth Rennick	

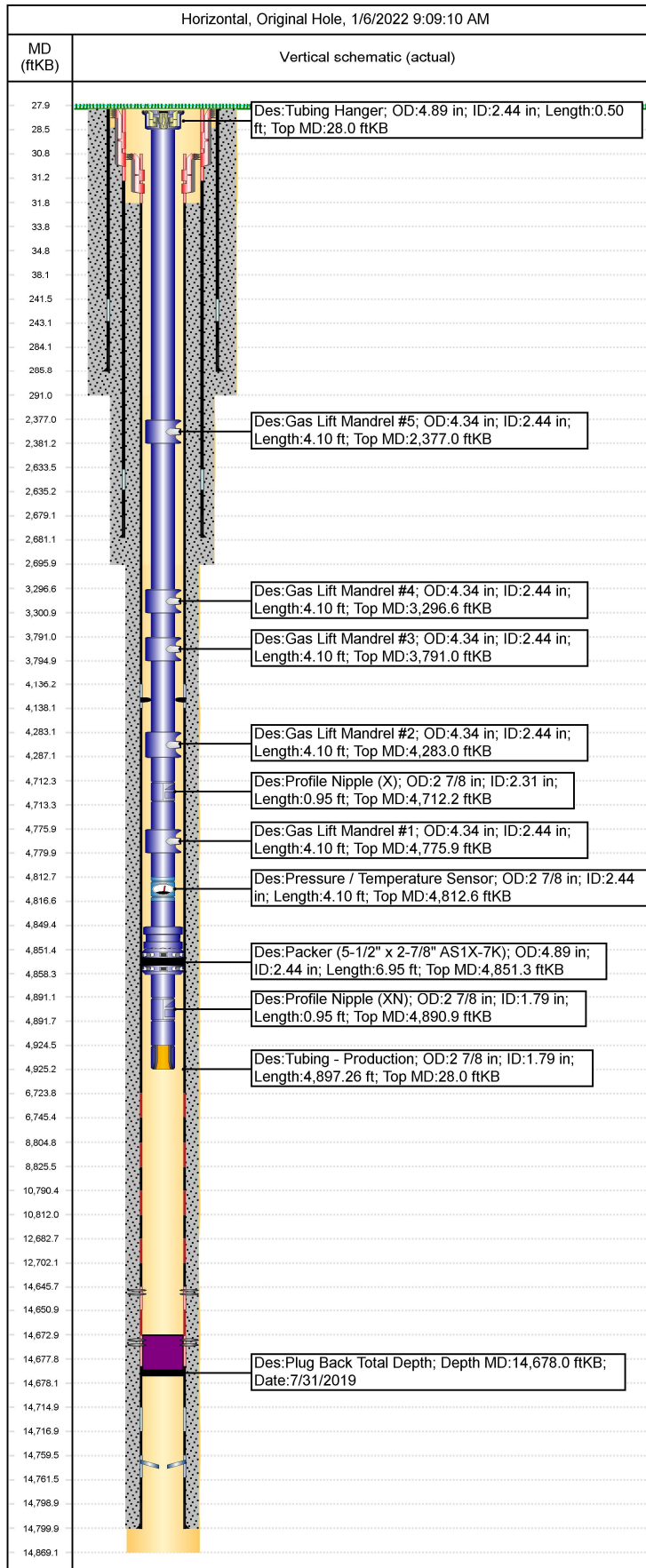


Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 769H

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

API/UWI 30-045-35892	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 5/7/2019 07:45	Rig Release Date 7/31/2019 18:00	PBTD (All) (ftKB) Original Hole - 14,678.0	Total Depth All (TVD) (ftKB) Original Hole - 4,769.6



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	291.0	291.0
Intermediate Hole	12 1/4	291.0	291.0	2,696.0	2,648.5
Production Hole	8 1/2	2,696.0	2,648.5	14,869.0	4,769.6

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 4,925.3ftKB on 12/7/2021 11:30					
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)		
Tubing - Production	12/7/2021	4,897.26	4,925.3		

Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			4.892	2.44	0.50	28.0	28.5
Tubing	72	L-80	6.50	2 7/8	2.44	2,348.51	28.5	2,377.1
Gas Lift Mandrel #5	1			4.335	2.44	4.10	2,377.1	2,381.2
Tubing	28	L-80	6.50	2 7/8	2.44	915.50	2,381.2	3,296.7
Gas Lift Mandrel #4	1			4.335	2.44	4.10	3,296.7	3,300.8
Tubing	15	L-80	6.50	2 7/8	2.44	490.25	3,300.8	3,791.0
Gas Lift Mandrel #3	1			4.335	2.44	4.10	3,791.0	3,795.1
Tubing	15	L-80	6.50	2 7/8	2.44	487.88	3,795.1	4,283.0
Gas Lift Mandrel #2	1			4.335	2.44	4.10	4,283.0	4,287.1
Tubing	13	L-80	6.50	2 7/8	2.44	425.10	4,287.1	4,712.2
Profile Nipple (X)	1			2 7/8	2.31	0.95	4,712.2	4,713.1
Tubing	2	L-80	6.50	2 7/8	2.44	62.73	4,713.1	4,775.9
Gas Lift Mandrel #1	1			4.335	2.44	4.10	4,775.9	4,780.0
Tubing	1	L-80	6.50	2 7/8	2.44	32.65	4,780.0	4,812.6
Pressure / Temperature Sensor	1	L-80	6.50	2 7/8	2.44	4.10	4,812.6	4,816.7
Tubing	1	L-80	6.50	2 7/8	2.44	32.70	4,816.7	4,849.4
On-Off Tool (F -Profile Stinger)	1			4 5/8	2.25	1.85	4,849.4	4,851.3
Packer (5-1/2\" x 2-7/8\" AS1X -7K)	1			4.892	2.44	6.95	4,851.3	4,858.2
Tubing	1	L-80	6.50	2 7/8	2.44	32.71	4,858.2	4,890.9
Profile Nipple (XN)	1			2 7/8	1.79	0.95	4,890.9	4,891.9
Tubing	1	L-80	6.50	2 7/8	2.44	32.68	4,891.9	4,924.6
Wireline Guide & POP (1,540 psig)	1			2 7/8	2.00	0.75	4,924.6	4,925.3

Surface Casing, 285.9ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
13 3/8	54.50	J-55		28.0	285.9
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints		213.50	28.0	241.5	
Float Collar		1.52	241.5	243.0	
Casing Joints		40.99	243.0	284.0	
Float Shoe		1.89	284.0	285.9	

Intermediate Casing, 2,681.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55		28.0	2,681.0

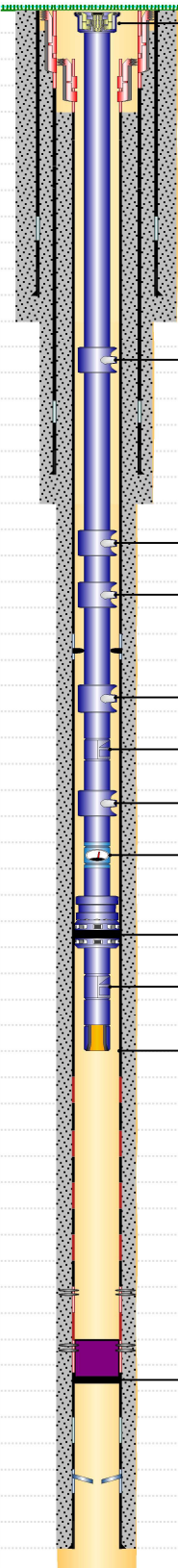


Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 769H

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

API/UWI 30-045-35892	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 5/7/2019 07:45	Rig Release Date 7/31/2019 18:00	PBTD (All) (ftKB) Original Hole - 14,678.0	Total Depth All (TVD) (ftKB) Original Hole - 4,769.6

Horizontal, Original Hole, 1/6/2022 9:09:13 AM							
MD (ftKB)	Vertical schematic (actual)	Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
27.9		Des:Tubing Hanger; OD:4.89 in; ID:2.44 in; Length:0.50 ft; Top MD:28.0 ftKB					
28.5							
30.8							
31.2							
31.8							
33.8							
34.8							
38.1							
241.5							
243.1							
284.1							
285.8							
291.0							
2,377.0			Des:Gas Lift Mandrel #5; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:2,377.0 ftKB				
2,381.2							
2,633.5							
2,635.2							
2,679.1							
2,681.1							
2,695.9							
3,296.6		Des:Gas Lift Mandrel #4; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,296.6 ftKB					
3,300.9							
3,791.0		Des:Gas Lift Mandrel #3; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:3,791.0 ftKB					
3,794.9							
4,136.2							
4,138.1							
4,283.1		Des:Gas Lift Mandrel #2; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,283.0 ftKB					
4,287.1							
4,712.3		Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:0.95 ft; Top MD:4,712.2 ftKB					
4,713.3							
4,775.9		Des:Gas Lift Mandrel #1; OD:4.34 in; ID:2.44 in; Length:4.10 ft; Top MD:4,775.9 ftKB					
4,779.9							
4,812.7		Des:Pressure / Temperature Sensor; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:4,812.6 ftKB					
4,816.6							
4,849.4							
4,851.4		Des:Packer (5-1/2" x 2-7/8" AS1X-7K); OD:4.89 in; ID:2.44 in; Length:6.95 ft; Top MD:4,851.3 ftKB					
4,858.3							
4,891.1		Des:Profile Nipple (XN); OD:2 7/8 in; ID:1.79 in; Length:0.95 ft; Top MD:4,890.9 ftKB					
4,891.7							
4,924.5							
4,925.2		Des:Tubing - Production; OD:2 7/8 in; ID:1.79 in; Length:4,897.26 ft; Top MD:28.0 ftKB					
6,723.8							
6,745.4							
8,804.8							
8,825.5							
10,790.4							
10,812.0							
12,682.7							
12,702.1							
14,645.7							
14,650.9							
14,672.9							
14,677.8		Des:Plug Back Total Depth; Depth MD:14,678.0 ftKB; Date:7/31/2019					
14,678.1							
14,714.9							
14,716.9							
14,759.5							
14,761.5							
14,798.9							
14,799.9							
14,869.1							
Production Casing, 14,800.0ftKB							
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)		
5 1/2	17.00	P-110		30.8	14,800.0		
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Landing Joint - 35.22'			1	0.00	30.8	30.8	
Mandrel Hanger			1	1.00	30.8	31.8	
Casing Pup Joint			1	2.00	31.8	33.8	
Casing Joints			98	4,102.28	33.8	4,136.1	
NCS Airlock Sub			1	2.07	4,136.1	4,138.2	
Casing Joints			62	2,585.47	4,138.2	6,723.7	
Marker Joint #5			1	21.69	6,723.7	6,745.4	
Casing Joints			49	2,059.55	6,745.4	8,804.9	
Marker Joint #4			1	20.48	8,804.9	8,825.4	
Casing Joints			47	1,965.04	8,825.4	10,790.4	
Marker Joint #3			1	21.54	10,790.4	10,812.0	
Casing Joints			45	1,870.78	10,812.0	12,682.7	
Marker Joint #2			1	19.32	12,682.7	12,702.1	
Casing Joints			46	1,943.64	12,702.1	14,645.7	
Frac Sub (9500 PSI)			1	5.10	14,645.7	14,650.8	
Marker Joint #1			1	22.02	14,650.8	14,672.8	
Frac Sub (8500 PSI)			1	5.10	14,672.8	14,677.9	
Casing Joints			1	36.99	14,677.9	14,714.9	
Float Collar			1	1.92	14,714.9	14,716.8	
Casing Joints			1	42.60	14,716.8	14,759.4	
Float Collar			1	1.92	14,759.4	14,761.4	
Casing Joints			1	37.45	14,761.4	14,798.8	
Float Shoe			1	1.20	14,798.8	14,800.0	
Cement							
Description		Cementing Start Date		Cementing End Date			
Surface Casing Cement		5/7/2019		5/7/2019			
Comment							
PJSM, test lines, pump 20 bbls FW spacer & 66.2 bbls Type G cmt (315 sxs, 1.18 ft3/sx) @ 15.8 PPG, drop plug & disp w/ 33 bbls H2O, bump plug @ 140 psi, circ 25 bbls good cmt to surface (witnessed by John Hagstrom of BLM)							
Description		Cementing Start Date		Cementing End Date			
Intermediate Casing Cement		7/9/2019		7/9/2019			
Comment							
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, 10.67 gal H2O/sk. Pumped Tail Cement: 36.8 bbls (180 sx) Halcem at 15.8 ppg, 1.15 ft3/sk, 5.08 gal H2O/sk. Dropped plug & began displacement. Displaced with 203 bbls FW. FCP at 1010 psi and plug bumped at 3.0 bpm to 950 psi. Bled back 1.5 Bbls and floats held. Maintained returns throughout job. Calculated 84 bbls to surface and got 60 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,083 ft MD.							
Description		Cementing Start Date		Cementing End Date			
Production Casing Cement		7/31/2019		7/31/2019			
Comment							
PJSM with Halliburton. Pressure tested lines to 5000 psi. Pumped 60 bbls Tuned Spacer. Pumped Lead Cement:204 bbls (600 sx) Econocem at 12.4 ppg, 1.91 ft3/sk, 9.99 gal H2O/sk. Pumped Tail Cement: 474.75 bbls (1960 sx) Halcem at 13.3 ppg, 1.36 ft3/sk, 6.0 gal H2O/sk. Dropped plug & began displacement. Displaced with 341.4 bbls FW. Plug bumped at 2.9 bpm to 1412 psi and FCP at 1,912 psi. Bled back 2.5 Bbls and floats held. Maintained returns throughout job. Calculated 54 bbls to surface and got 30 bbls of good cement to surface. Top of Lead to surface and top of tail at 3,212 ft MD.							

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 73785

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 73785
	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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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 73785

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 73785
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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