

Well Name: W LYBROOK UT	Well Location: T23N / R9W / SEC 14 / NESE / 36.224727 / -107.751422	County or Parish/State: SAN JUAN / NM
Well Number: 719H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G14031948	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535812	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: 05/05/2021	Time Sundry Submitted: 02:37
Date Operation Actually Began: 03/11/2021	

Actual Procedure: Originally submitted 4/7/21 via email per AFMSS2 tech team because well was not in AFMSS2 in order to be submitted electronically. Enduring Resources performed a workover to repair the gas lift completion. An updated schematic is attached. EOT: 5,297' MD Packer: 5,126' MD GLVs: 8 total (reference schematic for depths) Job Start: 3/11/2021 Job End: 3/12/2021

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_719H_WBD_03122021_20210505143603.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: MAY 05, 2021 02:36 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: ABDELGADIR ELMADANI
BLM POC Phone: 5055647742
Disposition: Accepted
Signature: AG Elmadani
BLM POC Title: Petroleum Engineer
BLM POC Email Address: aelmadani@blm.gov
Disposition Date: 05/10/2021

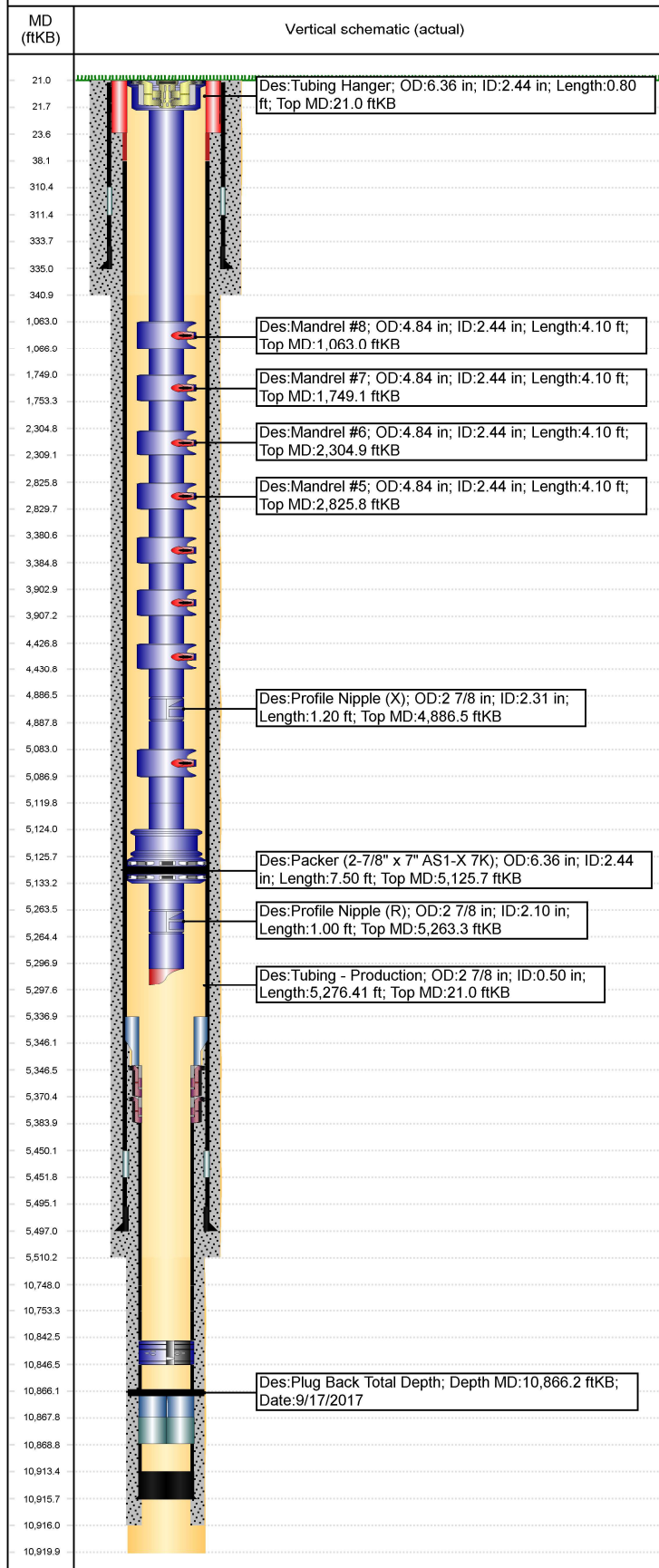


Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 719H

API/UWI 30-045-35812	Surface Legal Location	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 6,740.01	KB-Tubing Head Distance (ft)	Spud Date 9/1/2017 16:30	Rig Release Date 9/18/2017 02:00	PBTD (All) (ftKB) Original Hole - 10,866.2	Total Depth All (TVD) (ftKB) Original Hole - 4,790.5

OIL, Original Hole, 3/26/2021 3:27:10 PM



Wellbore Sections

Section Description SURFACE	Size (in) 12 1/4	Act Top (ft...) 21.0	Act Top (T...) 21.0	Act Btm (ft...) 341.0	Act Btm (T...) 341.0
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft...) 341.0	Act Top (T...) 341.0	Act Btm (ft...) 5,510.0	Act Btm (T...) 4,754.0
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft...) 5,510.0	Act Top (T...) 4,754.0	Act Btm (ft...) 10,920.0	Act Btm (T...) 4,790.5

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 5,297.4ftKB on 3/12/2021 10:30

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		3/12/2021			5,276.41		5,297.4	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			6.36	2.44	0.80	21.0	21.8
Tubing	32	L-80	6.50	2 7/8	2.44	1,041.16	21.8	1,063.0
Mandrel #8	1			4.835	2.44	4.10	1,063.0	1,067.1
Tubing	21	L-80	6.50	2 7/8	2.44	682.07	1,067.1	1,749.1
Mandrel #7	1			4.835	2.44	4.10	1,749.1	1,753.2
Tubing	17	L-80	6.50	2 7/8	2.44	551.71	1,753.2	2,304.9
Mandrel #6	1			4.835	2.44	4.10	2,304.9	2,309.0
Tubing	16	L-80	6.50	2 7/8	2.44	516.74	2,309.0	2,825.8
Mandrel #5	1			4.835	2.44	4.10	2,825.8	2,829.9
Tubing	17	L-80	6.50	2 7/8	2.44	550.79	2,829.9	3,380.7
Mandrel #4	1			4.835	2.44	4.10	3,380.7	3,384.8
Tubing	16	L-80	6.50	2 7/8	2.44	518.18	3,384.8	3,903.0
Mandrel #3	1			4.835	2.44	4.10	3,903.0	3,907.1
Tubing	16	L-80	6.50	2 7/8	2.44	519.69	3,907.1	4,426.7
Mandrel #2	1			4.835	2.44	4.10	4,426.7	4,430.8
Tubing	14	L-80	6.50	2 7/8	2.44	455.68	4,430.8	4,886.5
Profile Nipple (X)	1			2 7/8	2.31	1.20	4,886.5	4,887.7
Tubing	6	L-80	6.50	2 7/8	2.44	195.18	4,887.7	5,082.9
Mandrel #1	1			4.835	2.44	4.10	5,082.9	5,087.0
Tubing	1	L-80	6.50	2 7/8	2.44	32.68	5,087.0	5,119.7
Tubing	1	L-80	6.50	2 7/8	2.44	4.20	5,119.7	5,123.9
On-Off Tool (F)	1			5.85	2.25	1.82	5,123.9	5,125.7
Packer (2-7/8" x 7" AS1-X 7K)	1			6.36	2.44	7.50	5,125.7	5,133.2
Tubing	4	L-80	6.50	2 7/8	2.44	130.11	5,133.2	5,263.3
Profile Nipple (R)	1			2 7/8	2.10	1.00	5,263.3	5,264.3
Tubing	1	L-80	6.50	2 7/8	2.44	32.70	5,264.3	5,297.0
Mule Shoe	1			2 7/8	0.50	0.40	5,297.0	5,297.4

SURFACE CASING, 335.0ftKB

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) 335.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			14	289.27	21.0	310.3
Float Collar			1	1.20	310.3	311.5
Casing Joints			1	22.30	311.5	333.8
Float Shoe			1	1.20	333.8	335.0

INTERMEDIATE CASING, 5,497.2ftKB

OD (in) 7	VW/Len (lb/ft) 23.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 21.0	Set Depth (ftKB) 5,497.2	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Mandrel hanger			1	2.50	21.0	23.5
Casing Pup Joint			1	14.61	23.5	38.1
Casing Joints			125	5,412.03	38.1	5,450.1



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OIL, Original Hole, 3/26/2021 3:27:15 PM					
MD (ftKB)	Vertical schematic (actual)				
21.0					
21.7					
23.6					
38.1					
310.4	Des:Tubing Hanger; OD:6.36 in; ID:2.44 in; Length:0.80 ft; Top MD:21.0 ftKB				
311.4					
333.7					
335.0					
340.9					
1,063.0					
1,066.9	Des:Mandrel #8; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:1,063.0 ftKB				
1,749.0					
1,753.3	Des:Mandrel #7; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:1,749.1 ftKB				
2,304.8					
2,309.1	Des:Mandrel #6; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:2,304.9 ftKB				
2,825.8					
2,829.7	Des:Mandrel #5; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:2,825.8 ftKB				
3,380.6					
3,384.8					
3,902.9					
3,907.2					
4,426.8					
4,430.8					
4,886.5	Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,886.5 ftKB				
4,887.8					
5,083.0					
5,086.9					
5,119.8					
5,124.0					
5,125.7	Des:Packer (2-7/8" x 7" AS1-X 7K); OD:6.36 in; ID:2.44 in; Length:7.50 ft; Top MD:5,125.7 ftKB				
5,133.2					
5,263.5	Des:Profile Nipple (R); OD:2 7/8 in; ID:2.10 in; Length:1.00 ft; Top MD:5,263.3 ftKB				
5,264.4					
5,296.9					
5,297.6	Des:Tubing - Production; OD:2 7/8 in; ID:0.50 in; Length:5,276.41 ft; Top MD:21.0 ftKB				
5,336.9					
5,346.1					
5,346.5					
5,370.4					
5,383.9					
5,450.1					
5,451.8					
5,495.1					
5,497.0					
5,510.2					
10,748.0					
10,753.3					
10,842.5					
10,846.5					
10,866.1	Des:Plug Back Total Depth; Depth MD:10,866.2 ftKB; Date:9/17/2017				
10,867.8					
10,868.8					
10,913.4					
10,915.7					
10,916.0					
10,919.9					

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Float Collar	1	1.60	5,450.1	5,451.7
Casing Joints	1	43.46	5,451.7	5,495.2
Float Shoe	1	2.00	5,495.2	5,497.2

PRODUCTION LINER #1, 10,915.6ftKB

OD (in)	WT/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	LT&C	5,337.0	10,915.6

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger/Packer Assembly - PBR	1	9.38	5,337.0	5,346.4
Liner Hanger/Packer Assembly - Packer	1	24.00	5,346.4	5,370.4
Liner Hanger/Packer Assembly - Hanger	1	13.31	5,370.4	5,383.7
Casing Joints	121	5,364.49	5,383.7	10,748.2
Casing Joints - marker jt	1	5.13	10,748.2	10,753.3
Casing Joints	2	89.34	10,753.3	10,842.7
Rapid Frac Sleeve	1	3.74	10,842.7	10,846.4
Casing Joints - pup jt	1	19.77	10,846.4	10,866.2
Landing Collar	1	1.58	10,866.2	10,867.8
Float Collar	1	0.95	10,867.8	10,868.7
Casing Joints	1	44.59	10,868.7	10,913.3
Float Shoe	1	2.29	10,913.3	10,915.6

Cement

Description	Cementing Start Date	Cementing End Date
SURFACE CASING	4/14/2017	4/14/2017
Comment		

Description	Cementing Start Date	Cementing End Date
INTERMEDIATE CASING	9/3/2017	9/3/2017
Comment		

~RIG OFFLINE~
Circulated and conditioned mud to prepare for cement.
"~ Rig Offline -
Cement with Halliburton { 70% excess on 8 7/8 Total Hole Figured, added to Lead Volume }
5,200 Psi Test on Pumps & Lines
Fresh Water Spacer @ 8.3# {10 Bbls }, followed by
Tuned Spacer ~III-Mixed @ 11.5 ppg {30 Bbls }, followed by
Lead Cement @ 12.3# YD-1.95, Water 10.36 gal/sx { 425 sks/147.6 Bbls HALCEM ® } followed by
Tail Cement @ 13.5# YD-1.3 water 5.81 gal/sx { 515 sks/119 Bbls of VARICEM ® }
Displace W/ Fresh H2O Totaling 214 Bbls
Plug landed at 17:12, 9/3/2017, press up t/ 2,735 psi, press prior 2,256 psi
2.0 Bbl Back on Bleed off / Floats Held
85 bbls good cement back to surface.

Description	Cementing Start Date	Cementing End Date
Liner Cement	9/17/2017	9/17/2017
Comment		

"Cement 4.5""Casing Liner with 35% excess figured (Halliburton Services)
5,000 Psi Test on Lines
Flush Water @ 8.3# {10 BBLs }, followed by
Tuned Spacer @ 11.5# {40 BBLs }, followed by
Primary Cement @ 13.3# { 127 Bbls/525 sks ExtendaCem ® } followed by
Displacement Totaling 138 Bbls { 40 Bbls MMCR & 98 Bbls of 2% KCL }
Land Plug 1300 PSI & Bump up to 2700 PSI & Hold 5 min
Floats Held got 1.5 Bbl Back on Bleed off
Plug Down 9/17/2017 17:38hrs"
Circ Out 43 Bbl Good Cement to Surface"

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 27588

CONDITIONS

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO 80265	OGRID: 372286
	Action Number: 27588
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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