

Well Name: W LYBROOK UNIT	Well Location: T23N / R8W / SEC 7 / SWSE / 36.237828 / -107.721297	County or Parish/State: SAN JUAN / NM
Well Number: 746H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G14011865, N0G14011867	Unit or CA Name:	Unit or CA Number: NMNM135216A, NMNM135216X
US Well Number: 3004535751	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2639716

Type of Submission: Subsequent Report

Date Sundry Submitted: 10/13/2021

Date Operation Actually Began: 09/14/2021

Type of Action: Workover Operations

Time Sundry Submitted: 02:04

Actual Procedure: Enduring Resources recently completed a workover on W LYBROOK UNIT 746H to repair the gas lift completion. An updated schematic is attached. Job Start: 09/14/2021 Job End: 09/16/2021 EOT: 5,473' MD PACKER: 5,334' MD GLVS: #1 @ 5,293' MD

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_746H_WBD_09162021_20211013140325.pdf

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US Well Number: 3004535751	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: OCT 13, 2021 02:03 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: 11/01/2021
Signature: Kenneth Rennick	



Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 746H

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

API/UWI 30-045-35751	Surface Legal Location	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 6,799.01	KB-Tubing Head Distance (ft)	Spud Date 8/1/2017 07:00	Rig Release Date 8/20/2017 16:00	PBTD (All) (ftKB) Original Hole - 13,751.0	Total Depth All (TVD) (ftKB) Original Hole - 5,300.4

OIL, Original Hole, 10/12/2021 1:06:54 PM		Wellbore Sections					
MD (ftKB)	Vertical schematic (actual)	Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
21.0		SURFACE	12 1/4	21.0		331.0	331.0
21.7		INTERMEDIATE	8 3/4	331.0	331.0	5,705.0	5,351.8
23.6		PRODUCTION	6 1/8	5,705.0	5,351.8	13,854.0	5,300.4
302.2		Rod Strings					
303.5		Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)		
325.1		Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
326.4							
331.0		TUBING ASSEMBLY #2 set at 5,472.6ftKB on 9/16/2021 08:00					
5,107.9		Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)		
5,109.3		TUBING ASSEMBLY #2	9/16/2021	5,451.61	5,472.6		
5,293.3		Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	Len (ft)
5,297.6		Tubing	1			6.36	2.44
5,327.4		Hanger { 2 piece J-Lock style hanger. }					0.80
5,331.7		Profile Nipple { 2.313 profile nipple. }					2.31
5,333.7		Tubing	157	L-80	6.50	2 7/8	2.44
5,340.9		Gas Lift Mandrel { 16/64 SO }					4.10
5,438.6		Profile Nipple { 2.25/R nipple with 2.197 no-go. }					2.25
5,439.6		Tubing	6	L-80	6.50	2 7/8	2.44
5,472.1		On-Off Tool { 7" x 2 7/8" }					1.82
5,472.8		Packer { 7" x 2 7/8" AS1-X Pkr w/2.25 F stinger }					7.50
5,497.7		Tubing	3	L-80	6.50	2 7/8	2.44
5,534.8		Profile Nipple { 2.25/R nipple with 2.197 no-go. }					2.25
5,546.6		Tubing	1	L-80	6.50	2 7/8	2.44
5,649.6		Mule Shoe { Pinned half muleshoe. }					0.40
5,651.2							
5,695.2							
5,697.2							
5,705.1							
13,614.8							
13,637.1							
13,726.7							
13,730.3							
13,751.0							
13,752.6							
13,753.6							
13,798.6							
13,800.9							
13,854.0							

Des:Tubing Hanger { 2 piece J-Lock style hanger. ; OD:6.36 in; ID:2.44 in; Length:0.80 ft; Top MD:21.0 ftKB	
Des:Profile Nipple { 2.313 profile nipple. ; OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:5,107.9 ftKB	
Des:Gas Lift Mandrel { 16/64 SO } ; OD:4.84 in; ID:2.44 in; Length:4.10 ft; Top MD:5,293.3 ftKB	
Des:Packer { 7" x 2 7/8" AS1-X Pkr w/2.25 F stinger } ; OD:6.36 in; ID:2.25 in; Length:7.50 ft; Top MD:5,333.5 ftKB	
Des:Profile Nipple { 2.25/R nipple with 2.197 no-go. ; OD:2 7/8 in; ID:2.25 in; Length:1.20 ft; Top MD:5,438.5 ftKB	
Des:TUBING ASSEMBLY #2; OD:2 7/8 in; ID:2.25 in; Length:5,451.61 ft; Top MD:21.0 ftKB	
Des:Plug Back Total Depth; Depth MD:13,751.0 ftKB; Date:8/20/2017	

SURFACE CASING, 326.5ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	ST&C	21.0	326.5
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	14	281.22	21.0	302.2	
Float Collar	1	1.22	302.2	303.4	
Casing Joints	1	21.83	303.4	325.3	
Float Shoe	1	1.20	325.3	326.5	
INTERMEDIATE CASING, 5,697.2ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
7	23.00	J-55	LT&C	21.0	5,697.2
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Hanger	1	2.50	21.0	23.5	
Casing Joints	127	5,626.08	23.5	5,649.6	
Float Collar	1	1.60	5,649.6	5,651.2	
Casing Joints	1	44.06	5,651.2	5,695.2	
Float Shoe	1	2.00	5,695.2	5,697.2	
PRODUCTION LINER #1, 13,800.8ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	P-110	LT&C	5,497.7	13,800.8

WellView®

Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 746H

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

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OIL, Original Hole, 10/12/2021 1:06:58 PM

MD
(ftKB)

Vertical schematic (actual)

21.0

21.7

23.6

302.2

303.5

325.1

326.4

331.0

5,107.9

5,109.3

5,293.3

5,297.6

5,327.4

5,331.7

5,333.7

5,340.9

5,438.6

5,439.6

5,472.1

5,472.8

5,497.7

5,534.8

5,546.6

5,649.6

9,651.2

5,695.2

5,697.2

5,705.1

13,614.8

13,637.1

13,726.7

13,730.3

13,751.0

13,752.6

13,753.6

13,798.6

13,800.9

13,854.0

Des:Tubing Hanger { 2 piece J-Lock style hanger.};
OD:6.36 in; ID:2.44 in; Length:0.80 ft; Top MD:21.0 ftKB

Des:Profile Nipple { 2.313 profile nipple.}; OD:2 7/8 in;
ID:2.31 in; Length:1.20 ft; Top MD:5,107.9 ftKB

Des:Gas Lift Mandrel { 16/64 SO }; OD:4.84 in; ID:2.44
in; Length:4.10 ft; Top MD:5,293.3 ftKB

Des:Packer { 7" x 2 7/8" AS1-X Pkr w/2.25 F stinger };
OD:6.36 in; ID:2.25 in; Length:7.50 ft; Top MD:5,333.5
ftKB

Des:Profile Nipple { 2.25/R nipple with 2.197 no-go.};
OD:2 7/8 in; ID:2.25 in; Length:1.20 ft; Top MD:5,438.5
ftKB

Des:TUBING ASSEMBLY #2; OD:2 7/8 in; ID:2.25 in;
Length:5,451.61 ft; Top MD:21.0 ftKB

Des:Plug Back Total Depth; Depth MD:13,751.0 ftKB;
Date:8/20/2017

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger	1	37.21	5,497.7	5,534.9
Casing Pup Joint	1	11.65	5,534.9	5,546.6
Casing Joints	185	8,068.28	5,546.6	13,614.8
Casing Joints (MARKER)	1	22.27	13,614.8	13,637.1
Casing Joints	2	89.55	13,637.1	13,726.7
Rapid Frac Sleeve	1	3.75	13,726.7	13,730.4
Casing Pup Joint	1	20.60	13,730.4	13,751.0
Float Collar (LANDING)	1	1.60	13,751.0	13,752.6
Float Collar	1	0.96	13,752.6	13,753.6
Casing Joints	1	44.99	13,753.6	13,798.6
Float Shoe	1	2.25	13,798.6	13,800.8

Cement

Description

Cementing Start Date

Cementing End Date

SURFACE CASING

3/14/2017

3/14/2017

Comment

"~ Rig Offline -
Cement with Halliburton { 70% excess on 8 7/8 Total Hole Figured, added to Lead
Volume }
5,200 Psi Test on Lines
Fresh Water Spacer @ 8.3# {20 Bbbs }, followed by
Chem Wash @ 8.4# {30 Bbbs }, followed by
Fresh Water Spacer @ 8.3# {10 Bbbs }, followed by
Lead Cement Mixed @ 12.3#, YD-1.95, Water 10.36 Gal/sx { 465 sks/161 Bbbs
HALCEM ® } followed by
Tail Cement Mixed @ 13.5#, YD 1.3, Water 5.81 Gal/sx { 490 sks/113 Bbbs of
VARICEM ® }
Drop wiper plug, displace W/ Fresh H2o Totaling 222 Bbbs, Bump Plug @ 23:15
8/4/2017, Press up t/ 2500 PSI, Press prior
@ 2.5 BPM 1850 PSI.Held for 4 min,
2 Bbl Back on Bleed off / Floats Held
82 bbbs good cement back to surface.

Description

Cementing Start Date

Cementing End Date

INTERMEDIATE CASING

8/4/2017

8/4/2017

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# { 190 Bbbs/785 sks ExtendaCem ® } followed by
Displacement Totaling 183 Bbbs { 40 Bbbs MMCR,123 Bbbs of 2% KCL, & 20 fresh }
Land Plug 1500 PSI & Bump up to 2,750 PSI & Hold 5 min
Floats Held got 2 Bbl Back on Bleed off
Plug Down 8/20/2017 04:16
"Set ZXP Pack off w/ 50 K, Pull up off and Quick Psi Test of Packer Seals with
Pump Truck, Good Test,
Sting out of Liner Hanger,
W/ Pump truck Circ Out 28 Bbl Good Cement to Surface"

Description

Cementing Start Date

Cementing End Date

PRODUCTION LINER #1

8/20/2017

8/20/2017

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 60399

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 60399
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
dmccclure	ACCEPTED FOR RECORD	12/3/2021