

Well Name: W LYBROOK UNIT	Well Location: T23N / R8W / SEC 8 / SESW / 36.237674 / -107.708855	County or Parish/State: SAN JUAN / NM
Well Number: 713H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NOG14031908, NOG14031908	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535808	Well Status: Approved Application for Permit to Drill	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2634744

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/17/2021

Date Operation Actually Began: 08/18/2021

Type of Action: Workover Operations

Time Sundry Submitted: 07:46

Actual Procedure: Enduring Resources recently completed a workover on the W LYBROOK UNIT 713H to repair the gas lift completion. An updated schematic is attached. Job Start: 08/18/2021 Job End: 08/20/2021 EOT: 5,780' MD PACKER: 5,581' MD GLV: 5,539' MD

SR Attachments

Actual Procedure

W_LYBROOK_UNIT_713H_WBD_08202021_20210917074550.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: SEP 17, 2021 07:45 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: 09/21/2021
Signature: Kenneth Rennick	

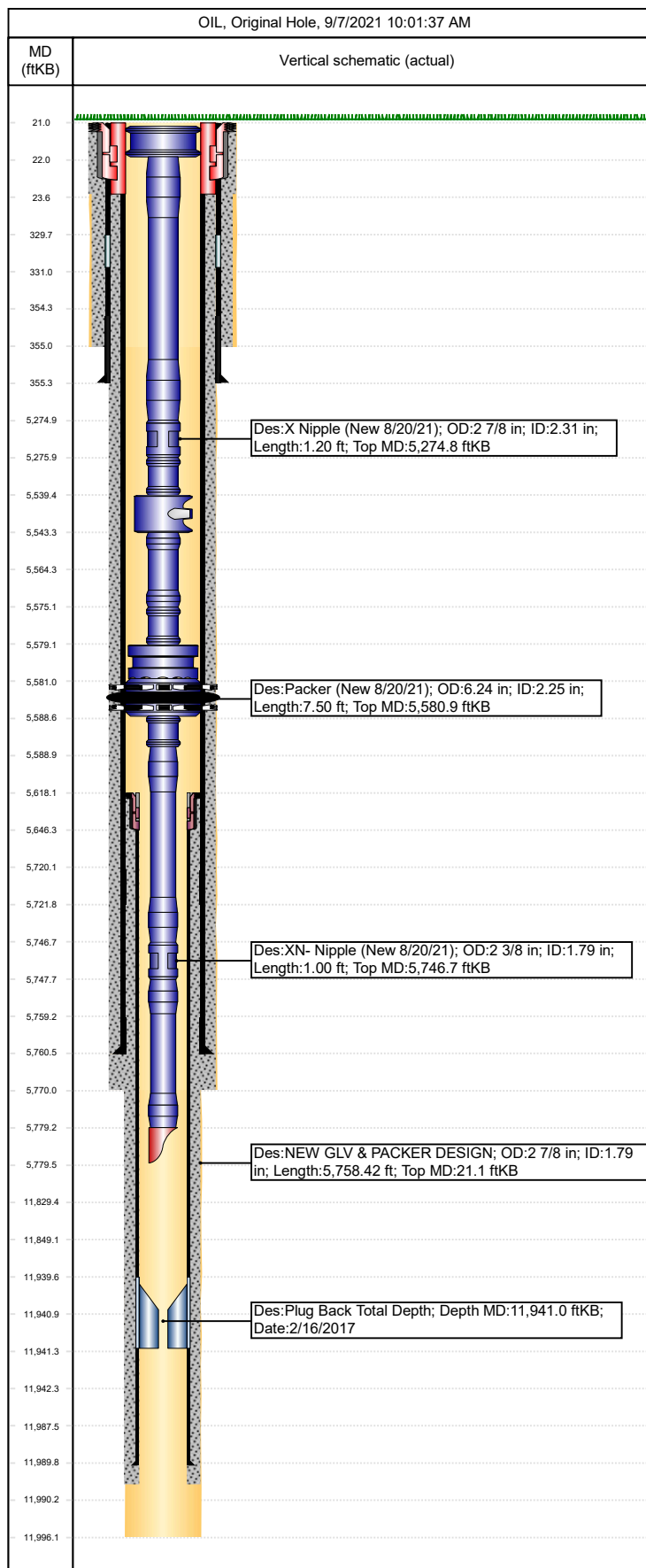


Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 713H

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

API/UWI 30-045-35808	Surface Legal Location CHACO	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 6,844.01	KB-Tubing Head Distance (ft)	Spud Date 2/9/2017 20:00	Rig Release Date 2/18/2017 08:00	PBTD (All) (ftKB) Original Hole - 11,941.0	Total Depth All (TVD) (ftKB) Original Hole - 5,513.4



Wellbore Sections								
Section Des		Size (in)		Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)	
SURFACE		12 1/4		21.0		355.0	355.0	
INTERMEDIATE		8 3/4		355.0	355.0	5,770.0	5,478.6	
PRODUCTION		6 1/8		5,770.0	5,478.6	11,996.0	5,513.4	
Rod Strings								
Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Item Des		Jts	OD (in)		Len (ft)	Top (ftKB)		Btm (ftKB)
NEW GLV & PACKER DESIGN set at 5,779.5ftKB on 8/20/2021 13:00								
Tubing Description NEW GLV & PACKER DESIGN		Run Date 8/20/2021		String Length (ft) 5,758.42		Set Depth (ftKB) 5,779.5		
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger (New 2 piece)	1	J-55		6.241	2.44	0.80	21.1	21.9
Tubing	165	J-55	6.50	2 7/8	2.44	5,252.93	21.9	5,274.8
X Nipple (New 8/20/21)	1	J-55		2 7/8	2.31	1.20	5,274.8	5,276.0
Tubing	8	J-55	6.50	2 7/8	2.44	263.29	5,276.0	5,539.3
Gas Lift Mandrel (New 8/20/21)	1	J-55		4.835	2.44	4.10	5,539.3	5,543.4
Tubing	1	J-55	6.50	2 7/8	2.44	31.60	5,543.4	5,575.0
Tubing Pup Joint (New 8/20/21)	1	J-55	6.50	2 7/8	2.44	4.10	5,575.0	5,579.1
On-Off Tool	1	J-55		5.85	2.44	1.82	5,579.1	5,580.9
Packer (New 8/20/21)	1	J-55		6.241	2.25	7.50	5,580.9	5,588.4
X-Over	1	J-55		2 7/8	2.00	0.40	5,588.4	5,588.8
Tubing	5	J-55	4.70	2 3/8	2.00	157.88	5,588.8	5,746.7
XN- Nipple (New 8/20/21)	1	L-80		2 3/8	1.79	1.00	5,746.7	5,747.7
Tubing	1	L-80	4.70	2 3/8	1.99	31.40	5,747.7	5,779.1
Pinned Mule Shoe	1	L-80		2 3/8	1.99	0.40	5,779.1	5,779.5
SURFACE CASING, 355.4ftKB								
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) 355.4
Item Des				Jts	Len (ft)		Top (ftKB)	Btm (ftKB)
Casing - CASING				10	308.68		21.0	329.7
Float Collar - CASING FLOAT COLLAR				1	1.20		329.7	330.9
Casing - SHOE JOINT				1	23.60		330.9	354.5
Casing Shoe - CASING FLOAT SHOE				1	0.95		354.5	355.4
INTERMEDIATE CASING, 5,760.5ftKB								
OD (in) 7	Wt/Len (lb/ft) 23.00		String Grade		Top Connection LT&C		Top (ftKB) 21.0	Set Depth (ftKB) 5,760.5
Item Des				Jts	Len (ft)		Top (ftKB)	Btm (ftKB)
Casing Hanger - CASING HANGER				1	2.50		21.0	23.5
Casing - CASING JOINT(S)				132	5,540.88		23.5	5,564.4
Casing - CASING JOINT(S)				4	155.92		5,564.4	5,720.3
Casing Float Collar - CASING FLOAT COLLAR				1	1.60		5,720.3	5,721.9
Casing - SHOE JOINT				1	37.29		5,721.9	5,759.2
Casing Float Shoe - CASING FLOAT SHOE				1	1.30		5,759.2	5,760.5
PRODUCTION LINER #1, 11,989.9ftKB								
OD (in) 4 1/2	Wt/Len (lb/ft) 11.60		String Grade P-110		Top Connection LT&C		Top (ftKB) 5,618.0	Set Depth (ftKB) 11,989.9



Enduring Resources IV - Production WBD

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OIL, Original Hole, 9/7/2021 10:01:38 AM						
MD (ftKB)	Vertical schematic (actual)	Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
21.0		Liner Hanger - LINER HANGER	1	28.20	5,618.0	5,646.2
22.0		Casing - CASING	146	6,183.05	5,646.2	11,829.3
23.6		Marker Joint - MARKER JOINT	1	19.69	11,829.3	11,849.0
329.7		Casing - CASING	2	90.69	11,849.0	11,939.6
331.0		Landing Collar - LANDING COLLAR	1	1.60	11,939.6	11,941.2
354.3		Casing Float Collar - CASING FLOAT COLLAR	1	0.93	11,941.2	11,942.2
355.0		Casing - CASING	1	45.40	11,942.2	11,987.6
355.3		Casing Float Shoe - CASING FLOAT SHOE	1	2.28	11,987.6	11,989.9
5,274.9		Cement				
5,275.9		Description SURFACE CASING		Cementing Start Date 12/7/2016		Cementing End Date 12/7/2016
5,539.4	Comment Pump 10 bbls FW spacer, dump 28.9 bbls (101 sxs) Type I-II cmt w/ 20% flyash @ 14.5 PPG into casing, drop plug & disp w/ 23.8 bbls H2O, bump plug @ 200 psi, circ 8 bbls good cmt to surface					
5,543.3	Description INTERMEDIATE CASING		Cementing Start Date 2/12/2017		Cementing End Date 2/12/2017	
5,564.3	Comment "Cement 7" Casing with 70% excess on TH Figured added to Lead Volume (Halliburton Services) 5,150 Psi Test on Lines Mud Flush III @ 8.4# {10 Bbls }, followed by Chem Wash @ 8.4# {20 Bbls }, followed by Fresh Water Spacer @ 8.3# {10 Bbls }, followed by Lead Cement @ 12.3# { 163 BBLS/470 sks HALCEM ® class C} followed by Tail Cement @ 13.5# { 116 BBLS/500 sks VARICEM ® class C} Displace W/ Fresh H2o Totaling 228 Bbls Land Plug 2,020PSI & Bump up to 2,830 PSI & Hold 5 min Floats Held got 2 Bbl Back on Bleed off 90 bbls good cement back to surface. Plug Down 2/12/2017 15:28 { BLM Rep Clay Hernandez and Jimmy Dobson Onsite as Witness }					
5,575.1	Description PRODUCTION LINER #1		Cementing Start Date 2/16/2017		Cementing End Date 2/16/2017	
5,579.1	Comment Pick up Baker Rotateable Cement Head, Space Out in Tension. Circulate Bottoms up (4bbls/min), Drop Ball & Pump to Seat, 2500 psi Set HMC Hanger & Release off. 149 Jts & 1 Marker Pup of 4.5" 11.6#, P-110 LT&C Casing Liner is Set TOL@ 5,618'MD (5,147'TVD) 142' overlap into 7" Int csg RSI @ NONE Plug Latch @ 11,941'MD Float @ 11,942'MD Shoe @ 11,990'MD (5,204'TVD) Cement 4.5"Casing Liner with 30% excess figured (Halliburton Services) Test pumps & Lines 5380 PSI start Flush Water @ 8.3# {10 BBLS }, followed by Tuned Spacer @ 11.5# {20 BBLS }, followed by Primary Cement(Extendacem) mixed @ 13.3# YD 1.36, 6.01 Water, { 140.5 Bbls/580 sks class C}, wash pumps and lines, drop plug and displace w/ { 40 Bbls MMCR & 40 Bbls of 2% KCL, 30 bbls fresh water & 20.35 bbls KCL, total 146.4} Land Plug @ 16:07 2/16/2017 press up t/ 3040 PSI, Press prior 1980 PSI, held 5 min, Bled back 1.0 bbls floats held. Sting out of LH, Set back down multiple times to pack off, shut Annular, press up annulus 1000 psi 5 min, held OK, Bled off. Open Annular pressure up and sting out completely roll hole w/ KCL, bypass Tuned spacer and cement to catch tank. 30 bbls cmt returned to surface. rinse out stack while washing up truck. Rig down HES.					
5,581.0						
5,588.6						
5,588.9						
5,618.1						
5,646.3						
5,720.1						
5,721.8						
5,746.7						
5,747.7						
5,759.2						
5,760.5						
5,770.0						
5,779.2						
5,779.5						
11,829.4						
11,849.1						
11,939.6						
11,940.9						
11,941.3						
11,942.3						
11,987.5						
11,989.8						
11,990.2						
11,996.1						
11,996.1						

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 53703

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53703
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

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CONDITIONS

Action 53703

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Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53703
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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