

Well Name: GREATER LYBROOK UNIT	Well Location: T23N / R9W / SEC 28 / NENW / 36.204663 / -107.795072	County or Parish/State: SAN JUAN / NM
Well Number: 793H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMNM118731, NMNM136267	Unit or CA Name:	Unit or CA Number: NMNM135216A, NMNM135255A
US Well Number: 3004535822	Well Status: Drilling Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2689162

Type of Submission: Subsequent Report

Date Sundry Submitted: 08/25/2022

Date Operation Actually Began: 08/14/2022

Type of Action: Workover Operations

Time Sundry Submitted: 11:16

Actual Procedure: Enduring Resources performed a drillout and initial gas lift installation. An updated well schematic is attached. EOT: 4103' MD Packer: 4029' MD GLVs: 2050', 2739', 3363' MD Orifice Valve: 3988' MD Job Start: 08.14.2022 Job End: 08.18.2022

SR Attachments

Actual Procedure

GLU_793H___Production_WBD_08232022_20220825111550.pdf

Received by OCD: 9/1/2022 11:20:47 AM

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Operator

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

Operator Electronic Signature: HEATHER HUNTINGTON	Signed on: AUG 25, 2022 11:17 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 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: 08/26/2022
Signature: Kenneth Rennick	

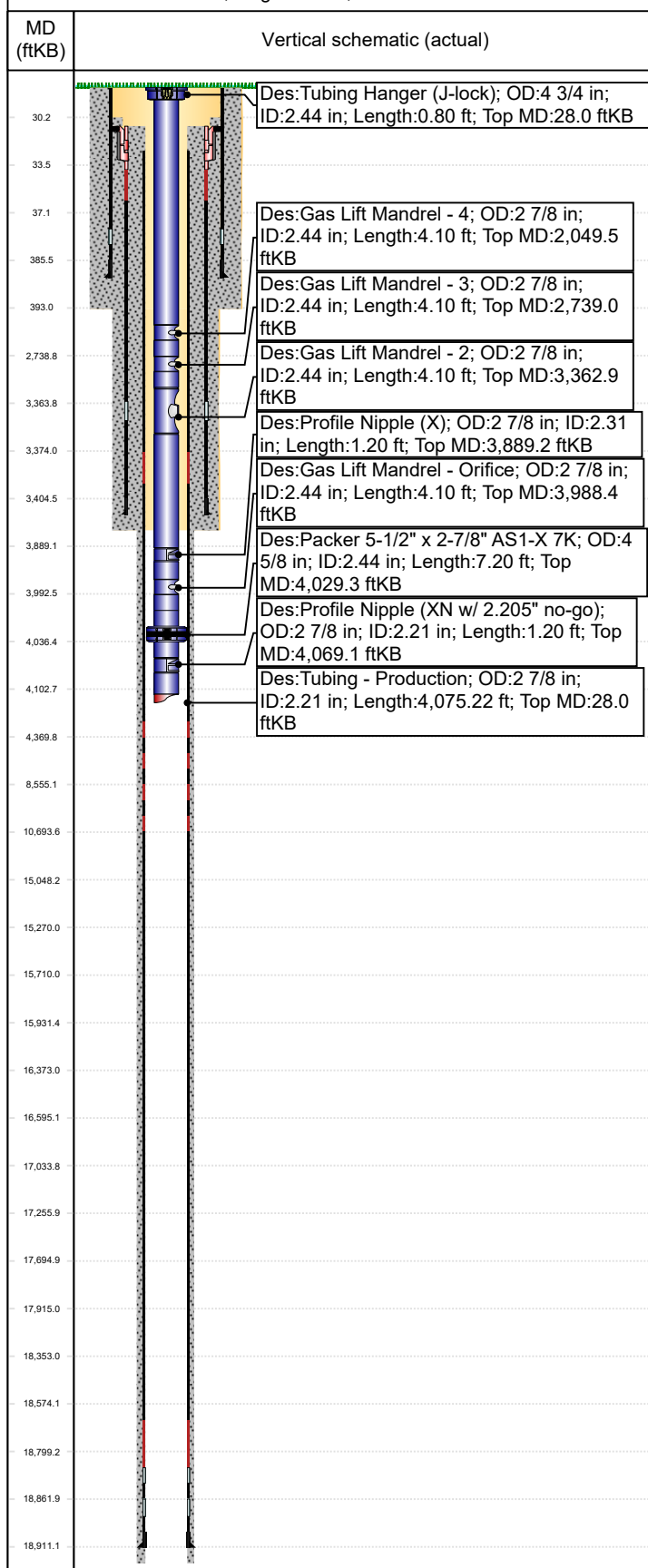


Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 793H
NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-35822	Surface Legal Location UNIT (C), NE/4, NW/4, SEC.28, T23N, R...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/22/2022 14:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 3,407.1

Horizontal, Original Hole, 8/23/2022 3:34:08 PM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	28.0		393.0	
Intermediate	12 1/4	393.0		3,416.0	3,407.1

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 4,103.2ftKB on 8/18/2022 00:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		8/18/2022		4,075.22			4,103.2	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger (J-lock)	1			4 3/4	2.44	0.80	28.0	28.8
Tubing	62	L-80	6.50	2 7/8	2.44	2,020.69	28.8	2,049.5
Gas Lift Mandrel - 4	1			2 7/8	2.44	4.10	2,049.5	2,053.6
Tubing	21	L-80	6.50	2 7/8	2.44	685.38	2,053.6	2,739.0
Gas Lift Mandrel - 3	1			2 7/8	2.44	4.10	2,739.0	2,743.1
Tubing	19	L-80	6.50	2 7/8	2.44	619.81	2,743.1	3,362.9
Gas Lift Mandrel - 2	1			2 7/8	2.44	4.10	3,362.9	3,367.0
Tubing	16	L-80	6.50	2 7/8	2.44	522.21	3,367.0	3,889.2
Profile Nipple (X)	1			2 7/8	2.31	1.20	3,889.2	3,890.4
Tubing	3	L-80	6.50	2 7/8	2.44	97.96	3,890.4	3,988.4
Gas Lift Mandrel - Orifice	1			2 7/8	2.44	4.10	3,988.4	3,992.5
Tubing	1	L-80	6.50	2 7/8	2.44	32.62	3,992.5	4,025.1
Tubing (pup jt)	1	L-80	6.50	2 7/8	2.44	4.20	4,025.1	4,029.3
Packer 5-1/2" x 2-7/8" AS1-X 7K	1		2.44	4 5/8	2.44	7.20	4,029.3	4,036.5
Tubing	1	L-80	6.50	2 7/8	2.44	32.60	4,036.5	4,069.1
Profile Nipple (XN w/ 2.205" no-go)	1			2 7/8	2.21	1.20	4,069.1	4,070.3
Tubing	1	L-80	6.50	2 7/8	2.44	32.55	4,070.3	4,102.8
Half Mule Shoe (without pump-out-plug)	1			2 7/8	2.44	0.40	4,102.8	4,103.2

Surface, 387.3ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 28.0	Set Depth (ftKB) 387.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	316.20	28.0	344.2
Float Collar			1	1.62	344.2	345.8
Casing Joints			1	39.65	345.8	385.5
Float Shoe			1	1.84	385.5	387.3

Intermediate, 3,406.4ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 30.4	Set Depth (ftKB) 3,406.4	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			0	0.00	30.4	30.4
Landing Joint			0	0.00	30.4	30.4
Casing Hanger			1	3.20	30.4	33.6
Casing Pup Joint			1	3.00	33.6	36.6
Casing Joints			84	3,327.14	36.6	3,363.7



Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 793H

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

API/UWI 30-045-35822	Surface Legal Location UNIT (C), NE/4, NW/4, SEC.28, T23N, R...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/22/2022 14:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 3,407.1

Horizontal, Original Hole, 8/23/2022 3:34:09 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Float Collar	1	1.50	3,363.7	3,365.2
		Casing Joints	1	39.28	3,365.2	3,404.5
		Float Shoe	1	1.90	3,404.5	3,406.4
		Production, 18,911.0ftKB				
		OD (in) 5 1/2	W/Len (lb/ft) 20.00	String Grade P-110	Top Connection Buttress Thread	Top (ftKB) 30.9
						Set Depth (ftKB) 18,911.0
		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
		Landing Joint	0	0.00	30.9	30.9
		Casing Joints	0	0.00	30.9	30.9
		Landing Joint	0	0.00	30.9	30.9
		Mandreal	1	3.20	30.9	34.1
		Pup Joint	1	3.00	34.1	37.1
		Casing Joints	76	3,336.79	37.1	3,373.9
		Air Lock	1	1.92	3,373.9	3,375.8
		Marker Joint 7	1	16.83	3,375.8	3,392.7
		Casing Joints	22	961.59	3,392.7	4,354.3
		Marker Joint 6	1	15.36	4,354.3	4,369.6
		Casing Joints	47	2,064.24	4,369.6	6,433.9
		Marker Joint	1	16.29	6,433.9	6,450.2
		Casing Joints	48	2,104.89	6,450.2	8,555.0
		Marker Joint	1	17.22	8,555.0	8,572.3
		Casing Joints	48	2,103.73	8,572.3	10,676.0
		Marker Joint	1	17.54	10,676.0	10,693.5
		Casing Joints	49	2,160.19	10,693.5	12,853.7
		Marker Joint 2	1	15.78	12,853.7	12,869.5
		Casing Joints	50	2,178.63	12,869.5	15,048.1
		DDT Sub 18	1	0.84	15,048.1	15,049.0
		Casing Joints	5	220.26	15,049.0	15,269.2
		DDT Sub 17	1	0.84	15,269.2	15,270.1
		Casing Joints	5	218.50	15,270.1	15,488.6
		DDT Sub 16	1	0.84	15,488.6	15,489.4
		Casing Joints	5	220.52	15,489.4	15,709.9
		DDT Sub 15	1	0.84	15,709.9	15,710.8
		Casing Joints	5	219.84	15,710.8	15,930.6
		DDT Sub 14	1	0.84	15,930.6	15,931.5
		Casing Joints	5	220.45	15,931.5	16,151.9
		DDT Sub 13	1	0.84	16,151.9	16,152.7
		Casing Joints	5	220.27	16,152.7	16,373.0
		DDT Sub 12	1	0.84	16,373.0	16,373.9
		Casing Joints	5	220.47	16,373.9	16,594.3
		DDT Sub 11	1	0.84	16,594.3	16,595.2
		Casing Joints	5	220.00	16,595.2	16,815.2
		DDT Sub 10	1	0.84	16,815.2	16,816.0
		Casing Joints	5	217.72	16,816.0	17,033.7
		DDT Sub 9	1	0.84	17,033.7	17,034.6
		Casing Joints	5	220.44	17,034.6	17,255.0
		DDT Sub 8	1	0.84	17,255.0	17,255.9
		Casing Joints	5	218.66	17,255.9	17,474.5
		DDT Sub 7	1	0.84	17,474.5	17,475.4
		Casing Joints	5	219.50	17,475.4	17,694.9
		DDT Sub 6	1	0.84	17,694.9	17,695.7
		Casing Joints	5	218.36	17,695.7	17,914.1
		DDT Sub 5	1	0.84	17,914.1	17,914.9
		Casing Joints	5	217.36	17,914.9	18,132.3
		DDT Sub 4	1	0.84	18,132.3	18,133.1
		Casing Joints	5	219.81	18,133.1	18,352.9
		DDT Sub 3	1	0.84	18,352.9	18,353.7
		Casing Joints	5	219.53	18,353.7	18,573.3
		DDT Sub 2	1	0.84	18,573.3	18,574.1
		Casing Joints	5	219.13	18,574.1	18,793.2



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Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/22/2022 14:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 3,407.1

Horizontal, Original Hole, 8/23/2022 3:34:11 PM

MD (ftKB)	Vertical schematic (actual)							
30.2		Des:Tubing Hanger (J-lock); OD:4 3/4 in; ID:2.44 in; Length:0.80 ft; Top MD:28.0 ftKB	DDT Sub 1	1	0.84	18,793.2	18,794.1	
33.5			Toe Sleeve	1	5.10	18,794.1	18,799.2	
37.1			Marker Joint	1	16.08	18,799.2	18,815.3	
385.5			Float Collar	1	2.47	18,815.3	18,817.7	
393.0			Casing Joints	1	44.08	18,817.7	18,861.8	
2,738.8			Float Collar	1	2.47	18,861.8	18,864.3	
3,363.8			Casing Joints	1	44.07	18,864.3	18,908.4	
3,374.0			Float Shoe	1	2.65	18,908.4	18,911.0	
3,404.5				Cement				
3,889.1			Des:Gas Lift Mandrel - 4; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,049.5 ftKB	Description Surface Casing Cement		Cementing Start Date 3/27/2022	Cementing End Date 3/27/2022	
3,992.5		Des:Gas Lift Mandrel - 3; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,739.0 ftKB	Comment PJSM, test lines, pump 10 bbls FW spacer, 10 bbls Sapp sweep, 10 bbls FW spacer & 86 bbls Type III cmt (350 sxs) @ 14.6 PPG, drop plug & disp w/ 49 bbls H2O, Did not bump plug 6 bbls short (casing started to raise up), circ 36 bbls good cmt to surface					
4,036.4		Des:Gas Lift Mandrel - 2; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,362.9 ftKB	Description Intermediate Casing Cement		Cementing Start Date 4/30/2022	Cementing End Date 4/30/2022		
4,102.7		Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:3,889.2 ftKB	Comment Cement Offline as follows: PJSM with Drake Energy Services. Pressure tested lines to 2,000 psi. Pumped 10 bbls FW, 20 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 262.0 bbls (689 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.4 bbls (136 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 264 bbls FW. FCP at 1100 psi Bumped Plug at 1590 psi On Well. Maintained returns throughout job. Calculated 64 bbls to surface and got 55 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,814 - ft MD. Released Rig @ 06:00 4/30/2022 to the Kimbeto Wash Unit 793 H. (Cement 08:30 Hour's To 10:40 Hour's on -4/30/2022)					
4,369.8		Des:Gas Lift Mandrel - Orifice; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,988.4 ftKB	Description Production Casing Cement		Cementing Start Date 5/19/2022	Cementing End Date 5/13/2022		
8,555.1		Des:Packer 5-1/2" x 2-7/8" AS1-X 7K; OD:4 5/8 in; ID:2.44 in; Length:7.20 ft; Top MD:4,029.3 ftKB	Comment Cement Summary: PJSM with American Cementing. Pressure tested lines to 5100 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 160 bbls (379 sx) ASTM Type I/II at 12.4 ppg, 2.36 ft3/sk, 13.39 gal H2O/sk. Pumped Tail Cement: 698 bbls (2503 sx) Class G Cement at 13.3 ppg, 1.56 ft3/sk, 7.69 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 418 bbls FW with cement retarder in 1st 50 bbls. FCP at 1,875 psi Bump Plug at 4.0 bpm to 3,040 psi. Bled back 4.5 Bbls and floats held. Rig Released @02:00 - 5/13/2022 Cement From 09:30 To 14:05 - 5/19/2022					
10,693.6		Des:Profile Nipple (XN w/ 2.205" no-go); OD:2 7/8 in; ID:2.21 in; Length:1.20 ft; Top MD:4,069.1 ftKB	Top of Tail: Calculated 3,331 ft MD. Tof of Lead: surface Cement Back 57 BBL, Calculated Back 57 bbl's					
15,048.2		Des:Tubing - Production; OD:2 7/8 in; ID:2.21 in; Length:4,075.22 ft; Top MD:28.0 ftKB	Cement in place at 14:05 on 5/19/2022					
15,270.0								
15,710.0								
15,931.4								
16,373.0								
16,595.1								
17,033.8								
17,255.9								
17,694.9								
17,915.0								
18,353.0								
18,574.1								
18,799.2								
18,861.9								
18,911.1								

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 140195

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 140195
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	12/5/2025