

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM136267

6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		7. If Unit of CA/Agreement, Name and/or No. Greater Lybrook/NMNM144419X
2. Name of Operator ENDURING RESOURCES LLC		8. Well Name and No. GREATER LYBROOK UNIT/774H
3a. Address 1050 17TH STREET SUITE 2500, DENVER, CO	3b. Phone No. (include area code) (303) 573-1222	9. API Well No. 3004535823
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 28/T23N/R9W/NMP		10. Field and Pool or Exploratory Area W LYBROOK MANCOS W/W LYBROOK MANCOS W
		11. Country or Parish, State SAN JUAN/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources completed a workover on the subject well to repair and replace the initial gas lift installation. An updated schematic is attached.

Job Start: 11/9/2022

Job End: 11/10/2022

GLVs: 1712, 2343, 2939, 3432, 3958 MD

EOT: 4813 MD

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON / Ph: (505) 636-9751	Title Permitting Technician
Signature	Date 11/21/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted	Title Petroleum Engineer	Date 11/21/2022
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FARMINGTON	

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.

(Instructions on page 2)

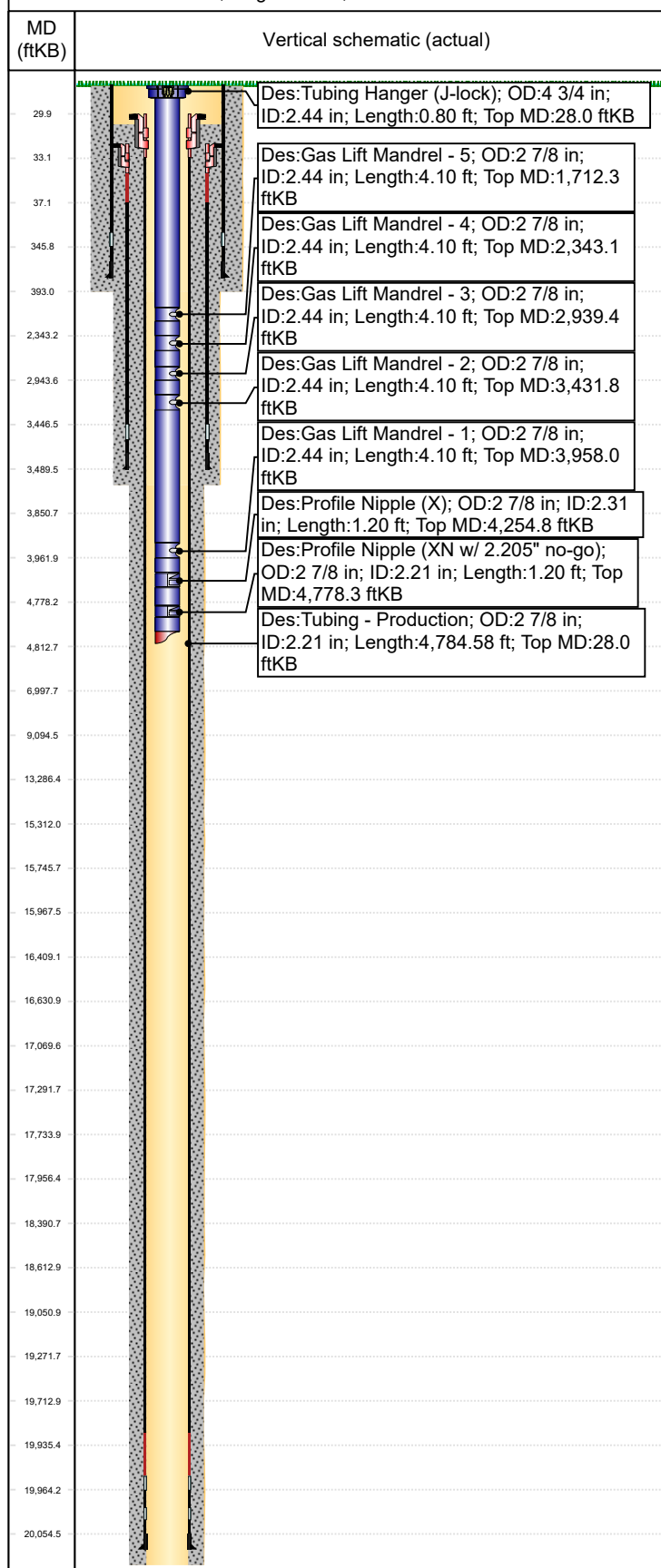


Enduring Resources IV - Production WBD

Well Name: GREATER LYBOOK UNIT 774H (KIMBETO WASH) NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-35823	Surface Legal Location Unit C, NE/4, NW/4, Section 28, Twp 23N...	Field Name CHACO	License # NMNM136267	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/21/2022 09:30	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,464.4

Horizontal, Original Hole, 11/18/2022 8:31:00 AM



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	28.0	393.0	393.0
Intermediate	12 1/4	393.0	393.0	3,500.0	3,383.0
Production	8 1/2	3,500.0	3,383.0	20,066.0	4,464.4

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 4,812.6ftKB on 11/10/2022 12:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		11/10/2022		4,784.58			4,812.6	
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	51	L-80	6.50	2 7/8	2.44	1,683.53	28.8	1,712.3
Gas Lift Mandrel - 5	1			2 7/8	2.44	4.10	1,712.3	1,716.4
Tubing	19	L-80	6.50	2 7/8	2.44	626.69	1,716.4	2,343.1
Gas Lift Mandrel - 4	1			2 7/8	2.44	4.10	2,343.1	2,347.2
Tubing	18	L-80	6.50	2 7/8	2.44	592.14	2,347.2	2,939.4
Gas Lift Mandrel - 3	1			2 7/8	2.44	4.10	2,939.4	2,943.5
Tubing	15	L-80	6.50	2 7/8	2.44	488.29	2,943.5	3,431.8
Gas Lift Mandrel - 2	1			2 7/8	2.44	4.10	3,431.8	3,435.9
Tubing	16	L-80	6.50	2 7/8	2.44	522.13	3,435.9	3,958.0
Gas Lift Mandrel - 1	1			2 7/8	2.44	4.10	3,958.0	3,962.1
Tubing	9	L-80	6.50	2 7/8	2.44	292.73	3,962.1	4,254.8
Profile Nipple (X)	1			2 7/8	2.31	1.20	4,254.8	4,256.0
Tubing	16	L-80	6.50	2 7/8	2.44	522.32	4,256.0	4,778.3
Profile Nipple (XN w/ 2.205" no-go)	1			2 7/8	2.21	1.20	4,778.3	4,779.5
Tubing	1	L-80	6.50	2 7/8	2.44	32.65	4,779.5	4,812.2
Half Mule Shoe (without pump-out-plug)	1			2 7/8	2.44	0.40	4,812.2	4,812.6

Surface, 387.3ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 27.8	Set Depth (ftKB) 387.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	316.35	27.8	344.1
Float Collar			1	1.62	344.1	345.8
Casing Joints			1	39.70	345.8	385.5
Float Shoe			1	1.84	385.5	387.3

Intermediate, 3,489.4ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 30.8	Set Depth (ftKB) 3,489.4
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		0	0.00	30.8	30.8
Landing joint		0	0.00	30.8	30.8
Casing Hanger		1	3.20	30.8	34.0
Casing Pup Joint		1	3.00	34.0	37.0
Casing Joints		86	3,409.34	37.0	3,446.4
Float Collar		1	1.50	3,446.4	3,447.9
Casing Joints		1	39.64	3,447.9	3,487.5

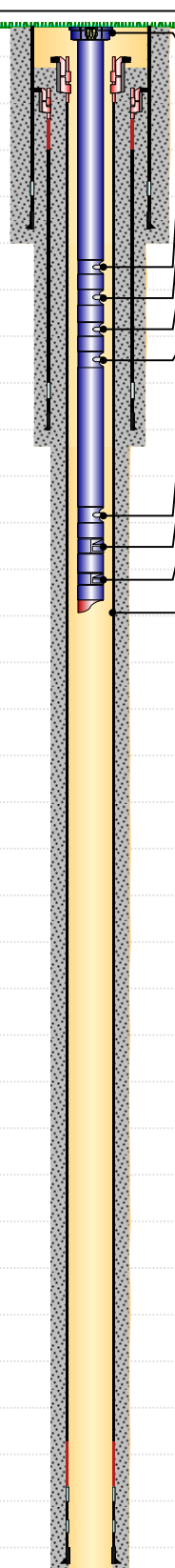


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Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/21/2022 09:30	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,464.4

Horizontal, Original Hole, 11/18/2022 8:31:01 AM							
MD (ftKB)	Vertical schematic (actual)						
29.9			Des:Tubing Hanger (J-lock); OD:4 3/4 in; ID:2.44 in; Length:0.80 ft; Top MD:28.0 ftKB				
33.1			Des:Gas Lift Mandrel - 5; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:1,712.3 ftKB				
37.1			Des:Gas Lift Mandrel - 4; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,343.1 ftKB				
345.8			Des:Gas Lift Mandrel - 3; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,939.4 ftKB				
393.0			Des:Gas Lift Mandrel - 2; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,431.8 ftKB				
2,343.2			Des:Gas Lift Mandrel - 1; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,958.0 ftKB				
2,943.6			Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,254.8 ftKB				
3,446.5			Des:Profile Nipple (XN w/ 2.205" no-go); OD:2 7/8 in; ID:2.21 in; Length:1.20 ft; Top MD:4,778.3 ftKB				
3,489.5			Des:Tubing - Production; OD:2 7/8 in; ID:2.21 in; Length:4,784.58 ft; Top MD:28.0 ftKB				
3,850.7							
3,961.9							
4,778.2							
4,812.7							
6,997.7							
9,094.5							
13,286.4							
15,312.0							
15,745.7							
15,967.5							
16,409.1							
16,630.9							
17,069.6							
17,291.7							
17,733.9							
17,956.4							
18,390.7							
18,612.9							
19,050.9							
19,271.7							
19,712.9							
19,935.4							
19,964.2							
20,054.5							

Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Float Shoe		1	1.90	3,487.5	3,489.4
Production, 20,056.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	20.00	P-110	Buttress Thread	29.9	20,056.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Marker Joint		0	0.00	29.9	29.9
Casing Joints		0	0.00	29.9	29.9
Casing Joint		0	0.00	29.9	29.9
Landing Joint		0	0.00	29.9	29.9
Hanger		1	3.20	29.9	33.1
Pup Joint		1	3.00	33.1	36.1
Casing Joint		1	44.12	36.1	80.2
Casing Joints		86	3,768.58	80.2	3,848.8
Airlock		1	1.92	3,848.8	3,850.7
Marker Joint 7		1	15.70	3,850.7	3,866.4
Casing Joints		26	1,145.14	3,866.4	5,011.5
Marker Joint 6		1	17.23	5,011.5	5,028.7
Casing Joints		45	1,968.89	5,028.7	6,997.6
Marker Joint 5		1	17.55	6,997.6	7,015.2
Casing Joints		47	2,062.55	7,015.2	9,077.7
Marker Joint 4		1	16.90	9,077.7	9,094.6
Casing Joints		46	2,021.53	9,094.6	11,116.2
Marker Joint 3		1	17.97	11,116.2	11,134.1
Casing Joints		49	2,152.12	11,134.1	13,286.3
Marker Joint 2		1	16.02	13,286.3	13,302.3
Casing Joints		46	2,008.82	13,302.3	15,311.1
DDT Sub 22		1	0.84	15,311.1	15,311.9
Casing Joints		5	217.20	15,311.9	15,529.1
DDT Sub 21		1	0.84	15,529.1	15,530.0
Casing Joints		5	215.88	15,530.0	15,745.9
DDT Sub 20		1	0.84	15,745.9	15,746.7
Casing Joints		5	219.88	15,746.7	15,966.6
DDT Sub 19		1	0.84	15,966.6	15,967.4
Casing Joints		5	220.66	15,967.4	16,188.1
DDT Sub 18		1	0.84	16,188.1	16,188.9
Casing Joints		5	220.14	16,188.9	16,409.1
DDT Sub 17		1	0.84	16,409.1	16,409.9
Casing Joints		5	220.30	16,409.9	16,630.2
DDT Sub 16		1	0.84	16,630.2	16,631.0
Casing Joints		5	220.25	16,631.0	16,851.3
DDT Sub 15		1	0.84	16,851.3	16,852.1
Casing Joints		5	217.54	16,852.1	17,069.7
DDT Sub 14		1	0.84	17,069.7	17,070.5
Casing Joints		5	220.47	17,070.5	17,291.0
DDT Sub 13		1	0.84	17,291.0	17,291.8
Casing Joints		5	220.49	17,291.8	17,512.3
DDT Sub 12		1	0.84	17,512.3	17,513.2
Casing Joints		5	220.68	17,513.2	17,733.8
DDT Sub 11		1	0.84	17,733.8	17,734.7
Casing Joints		5	220.82	17,734.7	17,955.5
DDT Sub 10		1	0.84	17,955.5	17,956.3
Casing Joints		5	219.77	17,956.3	18,176.1
DDT Sub 9		1	0.84	18,176.1	18,176.9
Casing Joints		5	213.80	18,176.9	18,390.7
DDT Sub 8		1	0.84	18,390.7	18,391.6
Casing Joints		5	220.50	18,391.6	18,612.1
DDT Sub 7		1	0.84	18,612.1	18,612.9
Casing Joints		5	219.52	18,612.9	18,832.4
DDT Sub 6		1	0.84	18,832.4	18,833.3
Casing Joints		5	217.44	18,833.3	19,050.7



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Horizontal, Original Hole, 11/18/2022 8:31:03 AM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
MD (ftKB)	Vertical schematic (actual)						
29.9		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 5	1	0.84	19,050.7	19,051.6
33.1		Des:Gas Lift Mandrel - 5; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:1,712.3 ftKB	Casing Joints	5	219.17	19,051.6	19,270.7
37.1		Des:Gas Lift Mandrel - 4; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,343.1 ftKB	DDT Sub 4	1	0.84	19,270.7	19,271.6
345.8		Des:Gas Lift Mandrel - 3; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,939.4 ftKB	Casing Joints	5	220.67	19,271.6	19,492.2
393.0		Des:Gas Lift Mandrel - 2; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,431.8 ftKB	DDT Sub 3	1	0.84	19,492.2	19,493.1
2,343.2		Des:Gas Lift Mandrel - 1; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,958.0 ftKB	Casing Joints	5	219.91	19,493.1	19,713.0
2,943.6		Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,254.8 ftKB	DDT Sub 2	1	0.84	19,713.0	19,713.8
3,446.5		Des:Profile Nipple (XN w/ 2.205" no-go); OD:2 7/8 in; ID:2.21 in; Length:1.20 ft; Top MD:4,778.3 ftKB	Casing Joints	5	220.62	19,713.8	19,934.5
3,489.5		Des:Tubing - Production; OD:2 7/8 in; ID:2.21 in; Length:4,784.58 ft; Top MD:28.0 ftKB	DDT Sub 1	1	0.84	19,934.5	19,935.3
3,850.7			Toe Sleeve	1	5.10	19,935.3	19,940.4
3,961.9			Marker Joint	1	21.89	19,940.4	19,962.3
4,778.2			Float Collar	1	1.92	19,962.3	19,964.2
4,812.7			Casing Joints	1	44.14	19,964.2	20,008.3
6,997.7			Float Collar	1	1.92	20,008.3	20,010.3
9,094.5			Casing Joints	1	44.11	20,010.3	20,054.4
13,286.4			Float Shoe	1	1.63	20,054.4	20,056.0
15,312.0			Cement				
15,745.7			Description	Cementing Start Date		Cementing End Date	
15,967.5			Surface Casing Cement	3/22/2022		3/22/2022	
16,409.1		Comment					
16,630.9		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, Bump plug @ 450 psi, circ 49 bbls good cmt to surface					
17,069.6		Description	Cementing Start Date		Cementing End Date		
17,291.7		Intermediate Casing Cement	4/28/2022		4/28/2022		
17,733.9		Comment					
17,956.4		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: 267.0 bbls (701 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 1690 psi On Well. Maintained returns throughout job. Calculated 64 bbls to surface and got 64 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,958 - ft MD. Released Rig @ 06:00 4/28/2022 to the Kimbeto Wash Unit 793 H. (Cement 07:20 Hour's To 09:56 Hour's on -4/28/2022)					
18,390.7		Description	Cementing Start Date		Cementing End Date		
18,612.9		Production Casing Cement	5/13/2022		5/13/2022		
19,050.9		Comment					
19,271.7		Cement Summary:					
19,712.9		PJSM with American Cementing. Pressure tested lines to 5100 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 162. bbls (471 sx) ASTM Type I/II at 12.4 ppg, 2.36 ft3/sk, 13.39 gal H2O/sk. Pumped Tail Cement: 744 bbls (1463 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 442.5 bbls FW with cement retarder in 1st 50 bbls. FCP at 2,020 psi Bump Plug at 4.0 bpm to 2,980 psi. Bled back 4.5 Bbls and floats held. Rig Released @02:00 - 5/13/2022 Cement From 03:20 To 08:00 - 5/13/2022					
19,935.4		Top of Tail: Calculated 2,105 ft MD.					
19,964.2		Tof of Lead: surface					
20,054.5		Cement Back 62 BBL, Calculated Back 62 bbl's					
		Cement in place at 08:00 on 5/13/2022					

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 160925

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 160925
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	12/3/2025