

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. **N0G14041965**

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 ☐ Other2. Name of Operator
ENDURING RESOURCES LLC3a. Address **1050 17TH STREET SUITE 2500, DENVER, CO**3b. Phone No. (include area code)
(303) 573-1222

7. If Unit of CA/Agreement, Name and/or No.

Greater Lybrook/NMNM144419X8. Well Name and No. **GREATER LYBROOK UNIT/772H**9. API Well No. **3004535825**

10. Field and Pool or Exploratory Area

W LYBROOK MANCOS W/W LYBROOK MANCOS W

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 28/T23N/R9W/NMP

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 performed 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 recompletion 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: 11/7/2022

Job End: 11/8/2022

GLVs: 1621, 2278, 2835, 3359, 3875

EOT: 4815 MD

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

HEATHER HUNTINGTON / Ph: (505) 636-9751Title **Permitting Technician**

Signature

Date **11/21/2022****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

KENNETH G RENNICK / Ph: (505) 564-7742 / AcceptedTitle **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)



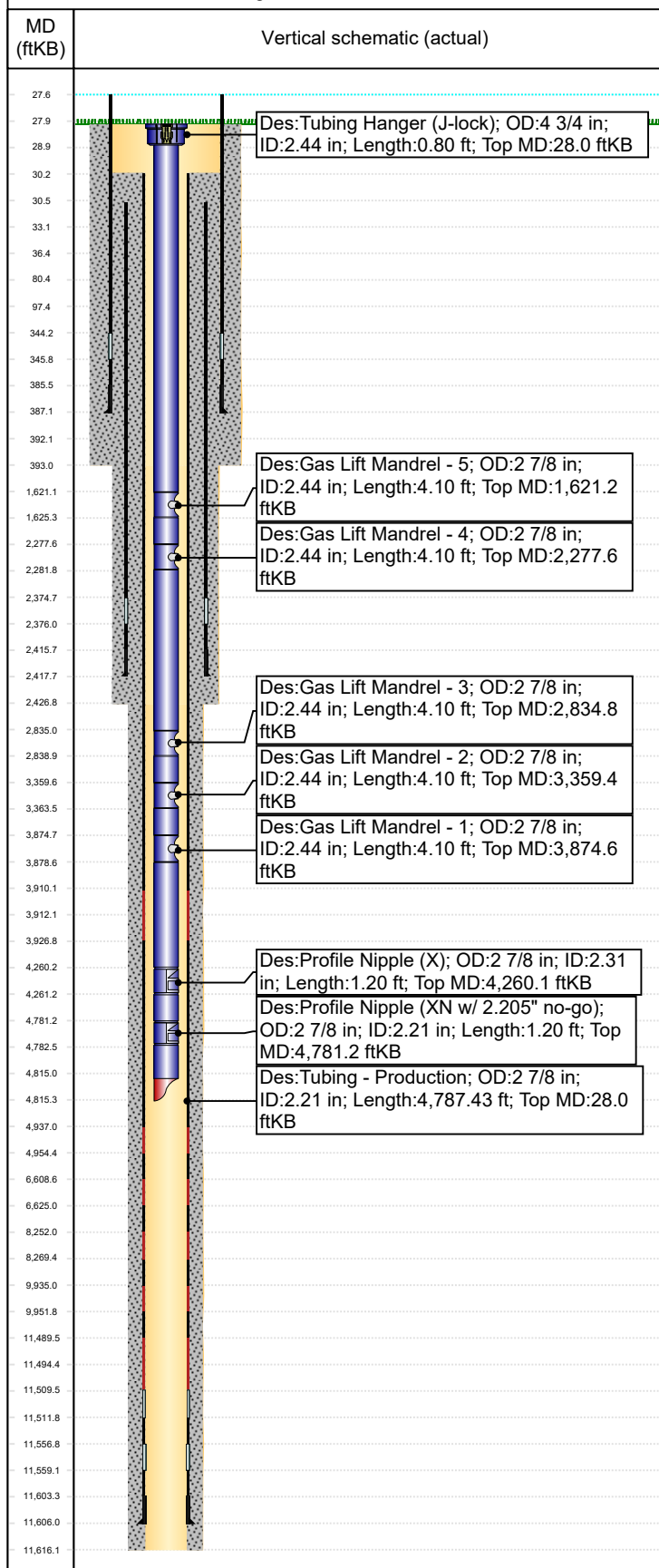
Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 722H (EKA KIMBETO WASH)

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

API/UWI 30-045-35825	Surface Legal Location Unit C, NE/4, NW/4, Section 28, Twp 23N...	Field Name CHACO	License # N0G14041965	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/25/2022 14:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,465.8

Horizontal, Original Hole, 11/9/2022 10:50:54 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		393.0	
Intermediate	12 1/4	393.0		2,427.0	2,363.4
Production	8 1/2	2,427.0	2,363.4	11,616.0	4,465.8

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 4,815.4ftKB on 11/8/2022 12:00

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		11/8/2022			4,787.43		4,815.4	
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	49	L-80	6.50	2 7/8	2.44	1,592.36	28.8	1,621.2
Gas Lift Mandrel - 5	1			2 7/8	2.44	4.10	1,621.2	1,625.3
Tubing	20	L-80	6.50	2 7/8	2.44	652.38	1,625.3	2,277.6
Gas Lift Mandrel - 4	1			2 7/8	2.44	4.10	2,277.6	2,281.7
Tubing	17	L-80	6.50	2 7/8	2.44	553.07	2,281.7	2,834.8
Gas Lift Mandrel - 3	1			2 7/8	2.44	4.10	2,834.8	2,838.9
Tubing	16	L-80	6.50	2 7/8	2.44	520.51	2,838.9	3,359.4
Gas Lift Mandrel - 2	1			2 7/8	2.44	4.10	3,359.4	3,363.5
Tubing	16	L-80	6.50	2 7/8	2.44	511.11	3,363.5	3,874.6
Gas Lift Mandrel - 1	1			2 7/8	2.44	4.10	3,874.6	3,878.7
Tubing	12	L-80	6.50	2 7/8	2.44	381.34	3,878.7	4,260.1
Profile Nipple (X)	1			2 7/8	2.31	1.20	4,260.1	4,261.3
Tubing	16	L-80	6.50	2 7/8	2.44	519.91	4,261.3	4,781.2
Profile Nipple (XN w/ 2.205" no-go)	1			2 7/8	2.21	1.20	4,781.2	4,782.4
Tubing	1	L-80	6.50	2 7/8	2.44	32.65	4,782.4	4,815.0
Half Mule Shoe (without pump-out-plug)	1			2 7/8	2.44	0.40	4,815.0	4,815.4

Surface, 387.3ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 27.5	Set Depth (ftKB) 387.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	316.65	27.5	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, 2,417.6ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	LT&C	30.6	2,417.6
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		61	2,343.91	30.6	2,374.6
Float Collar		1	1.50	2,374.6	2,376.1
Casing Joints		1	39.65	2,376.1	2,415.7
Float Shoe		1	1.90	2,415.7	2,417.6

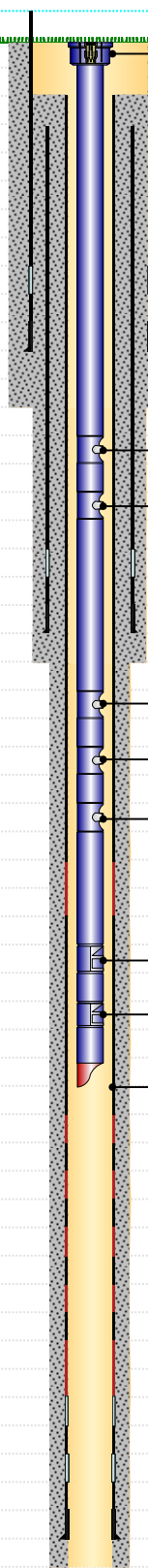


Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 772H (EKA KIMBETO WASH)

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

API/UWI 30-045-35825	Surface Legal Location Unit C, NE/4, NW/4, Section 28, Twp 23N...	Field Name CHACO	License # N0G14041965	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,562.00	KB-Tubing Head Distance (ft)	Spud Date 3/25/2022 14:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,465.8

Horizontal, Original Hole, 11/9/2022 10:50:55 AM		Production, 11,606.0ftKB						
MD (ftKB)	Vertical schematic (actual)	OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)	
		5 1/2	20.00	C-75	Buttress Thread	30.1	11,606.0	
		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)		
27.6		Casing Joints	0	0.00	30.1	30.1		
27.9		Landing Joint	0	0.00	30.1	30.1		
28.9		Mandrel	1	3.20	30.1	33.3		
30.2		Pup Joint	1	3.00	33.3	36.3		
30.5		Casing Joints	1	44.17	36.3	80.4		
33.1		Marker Joint	1	16.90	80.4	97.3		
36.4		Casing Joints	87	3,812.85	97.3	3,910.2		
80.4		Air Lock	1	1.92	3,910.2	3,912.1		
97.4		Marker Joint	1	14.60	3,912.1	3,926.7		
344.2		Casing Joints	23	1,010.24	3,926.7	4,936.9		
345.8		Marker Joint	1	17.37	4,936.9	4,954.3		
385.5		Casing Joints	38	1,654.18	4,954.3	6,608.5		
387.1		Marker Joint	1	16.37	6,608.5	6,624.9		
392.1		Casing Joints	37	1,627.19	6,624.9	8,252.1		
393.0		Marker Joint	1	17.35	8,252.1	8,269.4		
1,621.1		Des:Gas Lift Mandrel - 5; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:1,621.2 ftKB	Casing Joints	38	1,665.76	8,269.4	9,935.2	
1,625.3		Des:Gas Lift Mandrel - 4; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,277.6 ftKB	Marker Joint	1	16.54	9,935.2	9,951.7	
2,277.6			Casing Joints	35	1,537.73	9,951.7	11,489.4	
2,281.8			Toe Sleeve	1	5.10	11,489.4	11,494.5	
2,374.7			Marker Joint	1	14.97	11,494.5	11,509.5	
2,376.0			Float Collar	1	2.47	11,509.5	11,512.0	
2,415.7			Casing Joints	1	44.65	11,512.0	11,556.6	
2,417.7			Float Collar	1	2.47	11,556.6	11,559.1	
2,426.8			Casing Joints	1	44.26	11,559.1	11,603.4	
2,835.0		Des:Gas Lift Mandrel - 3; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:2,834.8 ftKB	Float Shoe	1	2.65	11,603.4	11,606.0	
2,838.9		Cement						
3,359.6	Des:Gas Lift Mandrel - 2; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,359.4 ftKB	Description	Cementing Start Date		Cementing End Date			
3,363.5		Surface Casing Cement	3/27/2022		3/27/2022			
3,874.7	Des:Gas Lift Mandrel - 1; OD:2 7/8 in; ID:2.44 in; Length:4.10 ft; Top MD:3,874.6 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/ 43 bbls H2O, Did not bump plug @ 530 psi, circ 34 bbls good cmt to surface						
3,878.6		Description	Cementing Start Date		Cementing End Date			
3,910.1		Intermediate Casing Cement	5/1/2022		5/1/2022			
3,912.1		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: 163.0 bbls (428 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 183 bbls FW. FCP at 1100 psi Bumped Plug at 1590 psi On Well. Maintained returns throughout job. Calculated 55 bbls to surface and got 43 bbls of good cement to surface. Top of Lead to surface and top of tail at 1,836 - ft MD. Released Rig @ 18:00 5/1/2022 to the Kimbeto Wash Unit 794 H. (Cement 19:30 Hour's To 21:00 Hour's on -5/1/2022)						
3,926.8								
4,260.2	Des:Profile Nipple (X); OD:2 7/8 in; ID:2.31 in; Length:1.20 ft; Top MD:4,260.1 ftKB							
4,261.2	Des:Profile Nipple (XN w/ 2.205" no-go); OD:2 7/8 in; ID:2.21 in; Length:1.20 ft; Top MD:4,781.2 ftKB							
4,781.2								
4,782.5	Des:Tubing - Production; OD:2 7/8 in; ID:2.21 in; Length:4,787.43 ft; Top MD:28.0 ftKB							
4,815.0								
4,815.3								
4,937.0								
4,954.4								
6,608.6								
6,625.0								
8,252.0								
8,269.4								
9,935.0								
9,951.8								
11,489.5								
11,494.4								
11,509.5								
11,511.8								
11,556.8								
11,559.1								
11,603.3								
11,606.0								
11,616.1								



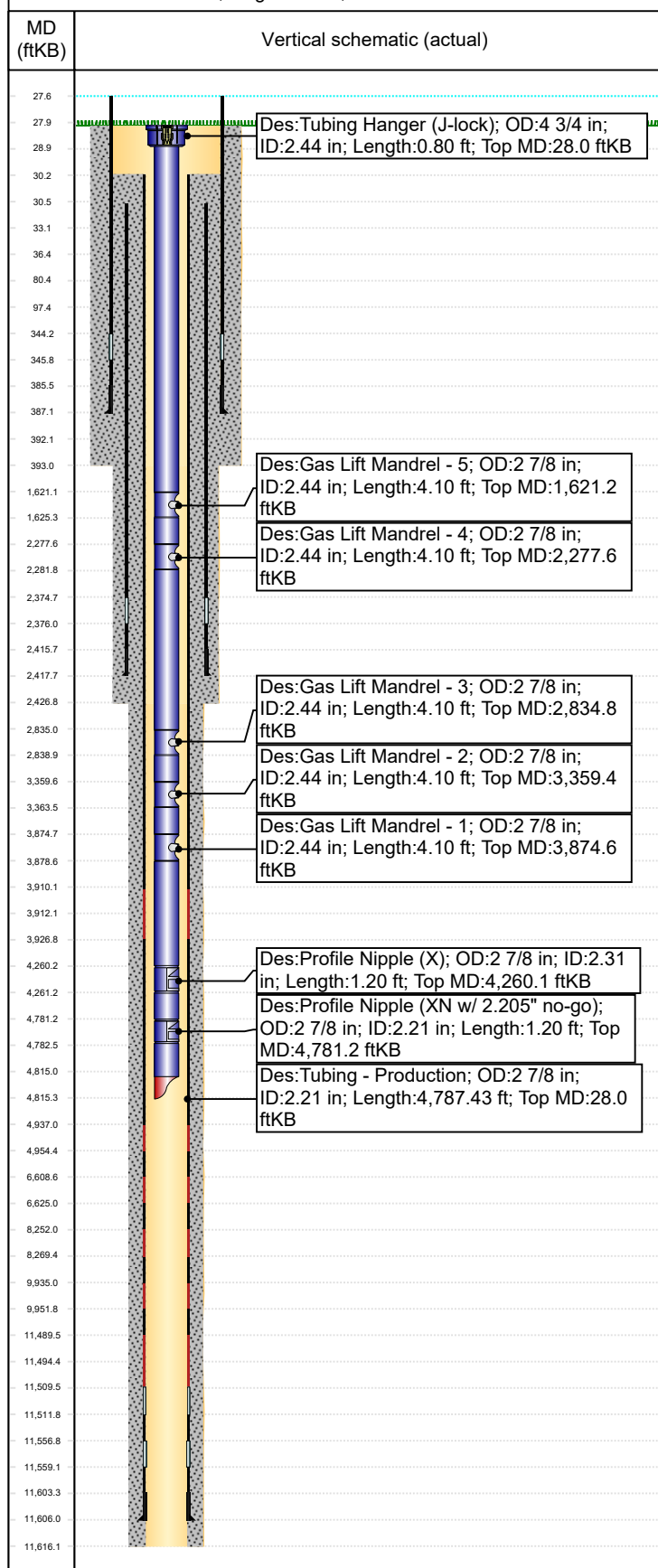
Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 722H (EKA KIMBETO WASH)

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Horizontal, Original Hole, 11/9/2022 10:50:56 AM



Cement

Description Production Casing Cement	Cementing Start Date 5/25/2022	Cementing End Date 5/13/2022
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Comment
Cement Summary:
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

Top of Tail: Calculated 2,105 ft MD.
Tof of Lead: surface
Cement Back 62 BBL, Calculated Back 62 bbl's

Cement in place at 08:00 on 5/13/2022

Description Production Casing Cement	Cementing Start Date 5/25/2022	Cementing End Date 7/16/2022
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Comment
Cement Summary:
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

Top of Tail: Calculated 2,105 ft MD.
Tof of Lead: surface
Cement Back 62 BBL, Calculated Back 62 bbl's

Cement in place at 08:00 on 5/13/2022

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 160923

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 160923
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	12/12/2022