

Well Name: MAX FRIESS MA	Well Location: T17S / R31E / SEC 30 / NWNE / 32.8092382 / -103.9051813	County or Parish/State: EDDY / NM
Well Number: 6	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC065014	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001526882	Operator: LH OPERATING LLC	

Notice of Intent

Sundry ID: 2829293

Type of Submission: Notice of Intent	Type of Action: Plug Back
Date Sundry Submitted: 12/30/2024	Time Sundry Submitted: 02:21
Date proposed operation will begin: 01/30/2025	

**Procedure Description:** Recomplete from Grayburg- San Andres intervals from 3089'...3519' to the Seven Rivers intervals, 1916'...2449'. Stimulate and return to production in the Seven Rivers intervals only. 1. Notify NMOCD field representative. 2. Move in rig up workover rig. 3. POH and laydown rods and pump. 4. Remove wellhead. Install BOP. 5. POH and lay down tubing. 6. Set 5-1/2" CIBP above current perforations @ 3000' and test. Dump bail 35' of cement on top of CIBP. 7. GIH and perforate Seven Rivers intervals @ 2449', 2430.5', 2411.5', 2398', 2269', 2234', 2222', 2194', 2136', 2068', 2031', and 1916'. (1 shot per foot a total of 12 total holes). 8. RIH with packer and 3-1/2" work string. Set packer at 1850'. 9. Install valve on 3-1/2" tbg. 10. Stimulate Seven Rivers intervals, 1916'... 2449'. 11. Flowback well and test. 12. At conclusion of flowback, shut-in valve. 13. MIRU workover rig. 14. Remove valve and install BOP. 15. Unset packer. POH and lay down 3-1/2" work string and packer. 16. RIH with 2-7/8" tubing. ND BOP and NU wellhead. 17. RIH with pump and rods. Hang well on. 18. RD and release workover rig. Put well on production.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Max\_Friess\_MA\_6\_NMOCD\_Procedure\_to\_ReComplete\_to\_Seven\_Rivers\_20241230142133.pdf
  - Max\_Friess\_MA\_6\_Summarized\_Well\_History\_20241230141702.pdf
  - Max\_Friess\_MA\_6\_Wellbore\_Schematic\_20241230141702.pdf

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US Well Number: 3001526882	Operator: LH OPERATING LLC	

Max\_Friess\_MA\_6\_NMOCD\_Procedure\_to\_ReComplete\_to\_Seven\_Rivers\_20241230141702.pdf

Max\_Friess\_MA\_6\_Proposed\_Schematic1\_20241230141702.pdf

Conditions of Approval

Specialist Review

Plugback\_COA\_20250222090706.pdf

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: MICHAEL BURTON	Signed on: DEC 30, 2024 02:17 PM
Name: LH OPERATING LLC	
Title: Environmental Manager	
Street Address: 3730 KIRBY DR SUITE 1200	
City: HOUSTON	State: TX
Phone: (575) 499-5306	
Email address: MIKE@LHOPERATING.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: ZOTA M STEVENS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345998	BLM POC Email Address: ZSTEVENS@BLM.GOV
Disposition: Approved	Disposition Date: 02/22/2025
Signature: Zota Stevens	

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleate 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 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.)

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

<b>THE SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
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	

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)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Additional Remarks

9. Install valve on 3-1/2 tbg.
10. Stimulate Seven Rivers intervals, 1916 2449.
11. Flowback well and test.
12. At conclusion of flowback, shut-in valve.
13. MIRU workover rig.
14. Remove valve and install BOP.
15. Unset packer. POH and lay down 3-1/2 work string and packer.
16. RIH with 2-7/8 tubing. ND BOP and NU wellhead.
17. RIH with pump and rods. Hang well on.
18. RD and release workover rig. Put well on production.

### Location of Well

0. SHL: NWNE / 1270 FNL / 1460 FEL / TWSP: 17S / RANGE: 31E / SECTION: 30 / LAT: 32.8092382 / LONG: -103.9051813 ( TVD: 0 feet, MD: 0 feet )  
BHL: NWNE / 1270 FNL / 1460 FEL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

Friess Max M A 06

Eddy Co., NM

API# 30-015-26882

Procedure to Recomplete to the Seven Rivers Intervals

12/16/24

Objective: Recomplete from Grayburg- San Andres intervals from 3089'...3519' to the Seven Rivers intervals, 1916'...2449'. Stimulate and return to production in the Seven Rivers intervals only.

1. Notify NMOCD field representative.
2. Move in rig up workover rig.
3. POH and laydown rods and pump.
4. Remove wellhead. Install BOP.
5. POH and lay down tubing.
6. Set 5-1/2" CIBP above current perforations @ 3000' and test. Dump bail 35' of cement on top of CIBP.
7. GIH and perforate Seven Rivers intervals @ 2449', 2430.5', 2411.5', 2398', 2269', 2234', 2222', 2194', 2136', 2068', 2031', and 1916'. (1 shot per foot a total of 12 total holes).
8. RIH with packer and 3-1/2" work string. Set packer at 1850'.
9. Install valve on 3-1/2" tbg.
10. Stimulate Seven Rivers intervals, 1916'... 2449'.
11. Flowback well and test.
12. At conclusion of flowback, shut-in valve.
13. MIRU workover rig.
14. Remove valve and install BOP.
15. Unset packer. POH and lay down 3-1/2" work string and packer.
16. RIH with 2-7/8" tubing. ND BOP and NU wellhead.
17. RIH with pump and rods. Hang well on.
18. RD and release workover rig. Put well on production.



## Daily Activity and Cost Summary

Well Name: **FRIESS MAX M A 6**

API/UWI 3001526882	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WEST	Spud Date Notice Information	State/Province NM	Well Configuration Type
Original KB Elevation (ft) 3,603.00	KB-Tubing Head Distance (ft)	Initial Spud Date 5/5/1992 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 0.0	Total Depth All (TVD) (ftKB)

Job Category Workover / Completions	Primary Job Type Check Tubing	Secondary Job Type Tubing Repair	Status 1
AFE Number	Start Date 7/7/2011	End Date	Total AFE Amount (Cost)

Objective  
Tbg failed pressure test. RUWSU TOO H W/rods & pump and Inspect. NUBOP TOO H Look for hole in tbg. Check for fill. TIH W/new production equipment. Well Was worked over in 11-2010.

Summary

Contractor Alliance Well Servicw	Rig Number 2	Rig Type
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Rpt #	Start Date	End Date	Day Total (Cost)	Cum Field Est To Date (Current Ops) (Cost)	Summary
1.0	7/7/2011	7/7/2011	2,510.00	2,510.00	Road rig to location spot in RUWSU. Bleed down well Take off horse head unseat pump. Start pulling rods noticed they were pitted. LD 42-7/8, 89-3/4, 2 1/2 X 2 X 16 pump. NDWH, release TAC NUBOP, RU floor & tongs. RU Hot oil truck pump 50 Bbls of hot water & paraffine solvent. SWI.
2.0	7/8/2011	7/8/2011	4,360.00	6,870.00	Bleed down well, TOO H W/105 jts, 5 1/2 TAC, S/N, Perf sub, M/J. Found hole on jt 105 ( Pump Jt ). All of the collars are pitted and most of the tbg going to LD and PU new. PU 5 1/2 scrapper TIH W/104 jts, PU 14 jts tagged @ 3882' records indicate PBTD @ 3865?. Stand back tag jts. TOO H LD 104 jts 2 7/8 pitted tbg. SWI
3.0	7/11/2011	7/11/2011	5,380.00	12,250.00	Talley, PU 16 jts tailpipe, packer, 95 jts set packer @ 3010, EOT @ 3517 bottom perf @ 3519. Waited 2 hrs on Crane they called and got tied up on another job SWI send crew home
4.0	7/12/2011	7/12/2011	15,110.00	27,360.00	RU Crane test lines 4000 psi, test csg to 500. establish rate 3 bpm @ 650 psi.pump 500 gal xylene @ 3.5 bpm @ 830 psi, switch to acid pump 2500 gal 15% HCL, pump 1st block 1500 lb salt 10 Bbls 10# brine @ 4.3 bpm @ 1686 block on formation pressure increased to 3250 psi. Cont W/HCL pump 2nd block 1500 lb salt @ 4.3bpm @ 3200 psi, block on formation pressure increased to 4850 psi, slow down rate .5 bpm @ 4900 psi first 12 Bbls, increase rate to 1 bpm @ 4670'. 20 Bbls flush away increased rate back to 4.3 bpm @ 2700 job complete. ISIP 2230, 5 min 2140, 10 min 2097, 15 min 2050 SWI for 3 hrs. Tbg 1600 psi, flowed back remainder of th day recovered 160 Bbls W/trace of oil. SWI
5.0	7/13/2011	7/13/2011	32,570.63	59,930.63	Bleed down well. Release packer TOO H W/96 jts, packer, 15 jts tailpipe. PU 2 7/8 X 31' slotted M/J, S/N, 12 jts, 5 1/2 TAC, 96 jts TIH. RD floor & tongs, NDBOP, set TAC W/14K pulled land tbg NUWH. Change over to rods. PU 2 1/2 X 2 X 16' pump, 20 X 1.250 G/A, 13- 1 1/2 Sinker bars, 122-3/4, 4' sub, 1 1/4 X 1 1/2 Liner X 26 polish rod. Space out pump check pump action, pressure test tbg to 500, good. Clean location. RDWSU move off
6.0	10/19/2011	10/19/2011	32,570.63	92,501.26	ROad rig to location well was pumping move off
7.0	10/19/2011	10/20/2011	520.00	93,021.26	

WellView®

Daily Activity and Cost Summary

Well Name: FRIESS MAX M A 6

API/UWI 3001526882	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WEST	Spud Date Notice Information	State/Province NM	Well Configuration Type
Original KB Elevation (ft) 3,603.00	KB-Tubing Head Distance (ft)	Initial Spud Date 5/5/1992 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 0.0	Total Depth All (TVD) (ftKB)
Job Category Well Maintenance		Primary Job Type Change BHP	Secondary Job Type Other	Status 1	
AFE Number LOE		Start Date 10/18/2011	End Date 10/18/2011	Total AFE Amount (Cost)	
Objective					
Summary					
Contractor Alliance		Rig Number 2	Rig Type Workover		
Rpt #	Start Date	End Date	Day Total (Cost)	Cum Field Est To Date (Current Ops) (Cost)	Summary
1.0	10/18/2011	10/18/2011	5,710.00	5,710.00	Day 1, POOH BHP fill w/ periffin





## Daily Activity and Cost Summary

**Well Name: FRIESS MAX M A 6**

API/UWI 3001526882	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WEST	Spud Date Notice Information	State/Province NM	Well Configuration Type
Original KB Elevation (ft) 3,603.00	KB-Tubing Head Distance (ft)	Initial Spud Date 5/5/1992 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 0.0	Total Depth All (TVD) (ftKB)

Job Category Workover/Maint	Primary Job Type Tubing	Secondary Job Type Repair / Replace	Status 1
AFE Number	Start Date 1/22/2013	End Date 1/24/2013	Total AFE Amount (Cost)

Objective
Summary

Contractor Basic	Rig Number 1284	Rig Type
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Rpt #	Start Date	End Date	Day Total (Cost)	Cum Field Est To Date (Current Ops) (Cost)	Summary
1.0	1/22/2013	1/22/2013	2,335.00	2,335.00	Day 1, Crew drove Rig to loc. MIRU unhang PR & HH TOH w/ rods, and BHP ( Gas anchor left in MA.) NDWH NU B.O.P. SWH SDFN.
2.0	1/23/2013	1/23/2013	10,235.00	12,570.00	Day 2, Crew drove to loc. RU to tag lower tbg 316.16' total of 3752.53' no tag 200' below perf. good TOH w/ 98-jts 2 7/8" tbg, TAC 12-jts tbg, SN MA, BP gas anchor in MA. Hole jt above SN. RU D & G tbg tester TIH hydro testing @5000# blew 10-jts on bottom. replace TIH w/ tbg RD tbg tester TIH w/ bhp and rods. hang off well online
3.0	1/24/2013	1/24/2013	550.00	13,120.00	Day 3, RDMO to MAx #7



## Daily Activity and Cost Summary

**Well Name: FRIESS MAX M A 6**

API/UWI 3001526882	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WEST	Spud Date Notice Information	State/Province NM	Well Configuration Type
Original KB Elevation (ft) 3,603.00	KB-Tubing Head Distance (ft)	Initial Spud Date 5/5/1992 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 0.0	Total Depth All (TVD) (ftKB)

Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type Pump Repair	Status 1
AFE Number	Start Date 3/28/2022	End Date 3/30/2022	Total AFE Amount (Cost)

Objective  
Test tbg and R & R pump

Summary  
Tbg & Pump R & R

Contractor	Rig Number	Rig Type
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Rpt #	Start Date	End Date	Day Total (Cost)	Cum Field Est To Date (Current Ops) (Cost)	Summary
1.0	3/28/2022	3/28/2022	6,892.00	6,892.00	Crew arrived on location. Held PJSM, JSA. MIRU Hot Oiler and test 2 7/8" tbg. Loaded hole w/1 bbl. Tested 2 7/8" Tbg to 500 ps X's 15 minutes. Good test. RD Hot Oiler and MIRU Artesia #4 WСУ. Removed Head from Pumping Unit. TOO H with 1 1/4" x 24' Polish Rod, 2', 4', 6' X 3/4" Subs, 122-3/4" D Rods, 13-1 1/2" KBARS, 2' x 7/7" Sub, 2.5" x 1.5" x 16' Pump and 16' Gas Strainer. TBIH w/1 1/4" x 10' Gas Anchor, 2.50" x 1.50" x 16' RHBC Pump, 13-1 1/2" KBARS, 122-3/4" D Rods, 6', 4', 2' Subs and 1 1/4 x 24' Polish Rod. Hung Head Attempted to test to 500 psi. Would pump up to 100 psi them to 0 psi. Tbg and csg were communicating. Secure well and SDFN. Will TOO H w/Pump & Rod String, TOO H w/2 7/8" tbg, TBIH hydro-testing 2 7/8" tbg in the morning.
2.0	3/29/2022	3/29/2022	5,240.00	12,132.00	Crew arrived on location. Remove Head fro pumping unit. ND WH and NU Rod Plate. TOO H with pump and Rod String. TOO H with 1 1/4 x 24' Polish Rod, 6', 4', 2' x 3/4" Subs, 122-3/4" D Rods, 13-1 1/2" KBARS, 2.50" x 1.50" x 16' RHBC Pump, 1 1/4" x 10' Gas Anchor. ND Rod Plate Release TAC, NU 5K BOP. TOO H w/97 jts 2 7/8" tbg, 5 1/2" x 2 7/8" x 3' TAC & 6 jts 2 7/8" tbg. The last jt was packed off with scale. The last 19 jts were severely pitted.Secured well & SDFN due to winds of over 30 MPH.
3.0	3/30/2022	3/30/2022	12,418.00	24,550.00	Crew arrived on location. Held PJSM, JSA. MIRU Stealth Hydro-Test Unit. TBIH with 2 7/8" x 33.10' MJ w/BP, 2 7/8" x 4' Perf Sub, 2 7/8" x 1.10' SN & 101 jts 2 7/8" J55 Tbg. Hydro tested Tbg on TBIH. (SN @ 3212.21', EOT @ 3249.91'). R/D Stealth Hydro-testers. N/D BOP & N/U Rod Plate, TIH w/1.5" x 12' GA, 2.5 x 1.50 x 16' RHBC Pump, 2' x 7/8" Sub, 13-1 1/2" KBARS, 114-3/4" D Rods, 1 1/4" x 26' Polish Rod. Remove rod plate, N/U WH. Hung head on pumping unit. Pumping good to vac truck. Tested to 500 psi. SD pumping unit Bled pressure to Vac Truck. Notified Production that well is ready to put back on line. RD Artesia #4. Clean location. Move Artesia to the Turner B 110.

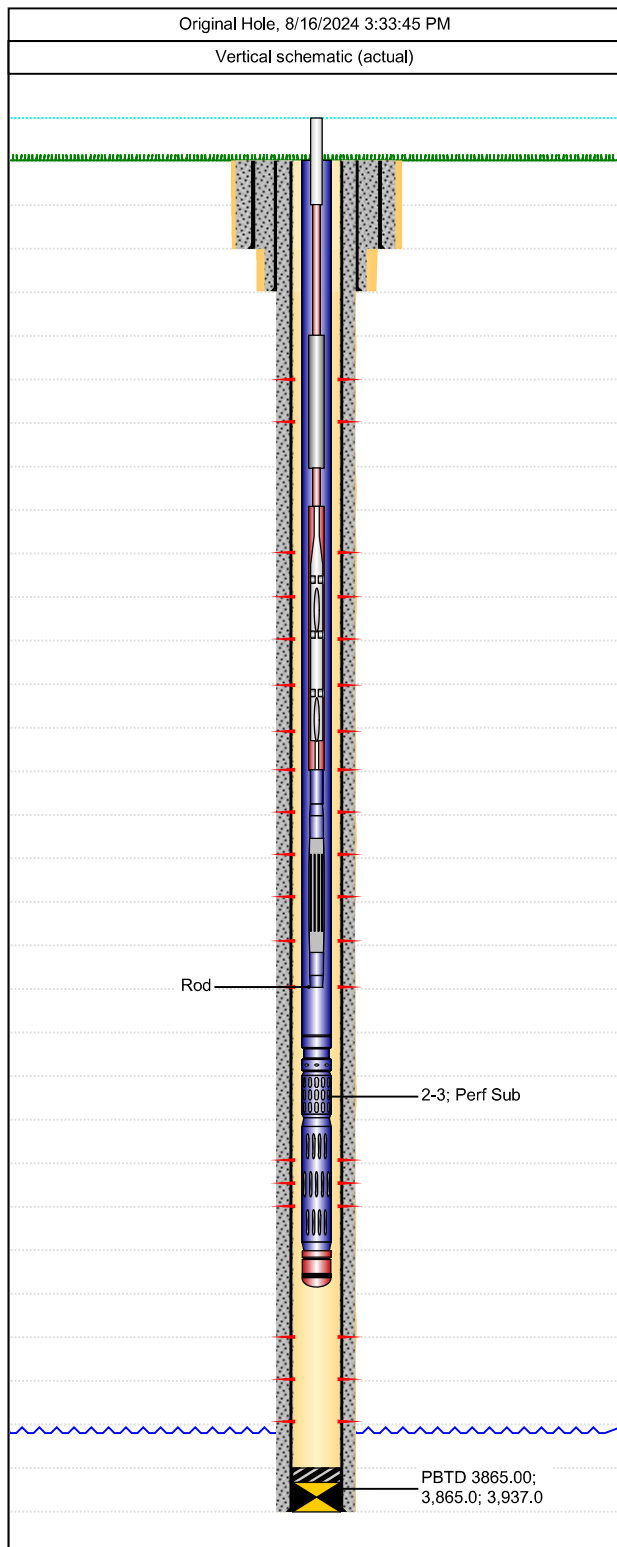
## WellView®

## Downhole Well Profile

Well Name: FRIESS MAX M A 6

API/UWI 3001526882	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WEST	Spud Date Notice Information	State/Province NM	Well Configuration Type
Original KB Elevation (ft) 3,603.00	KB-Tubing Head Distance (ft)	Initial Spud Date 5/5/1992 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 0.0	Total Depth All (TVD) (ftKB)

Type						
Des	Make	Model	WP (psi)	Service	WP Top (psi)	Bore Min (in)

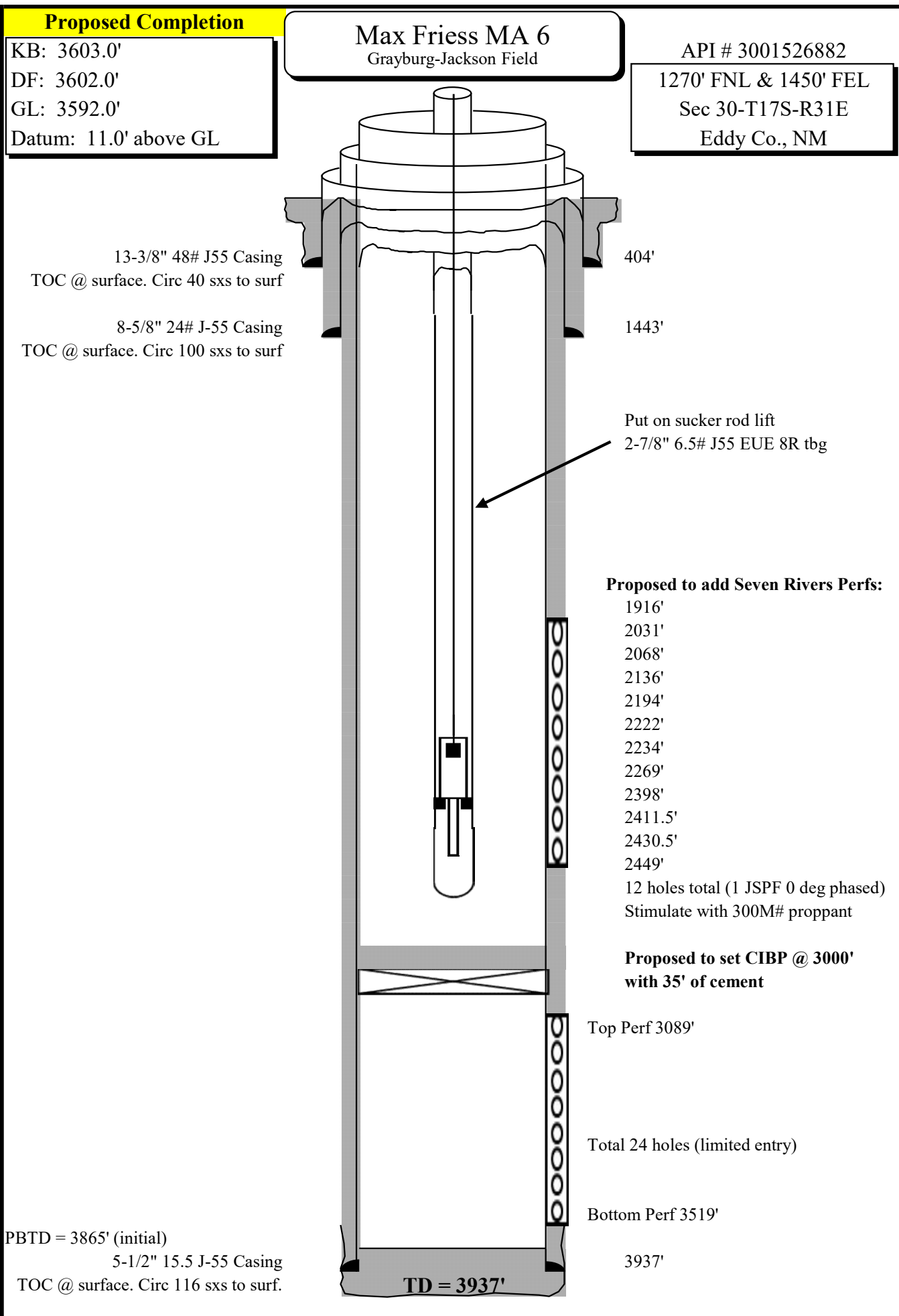


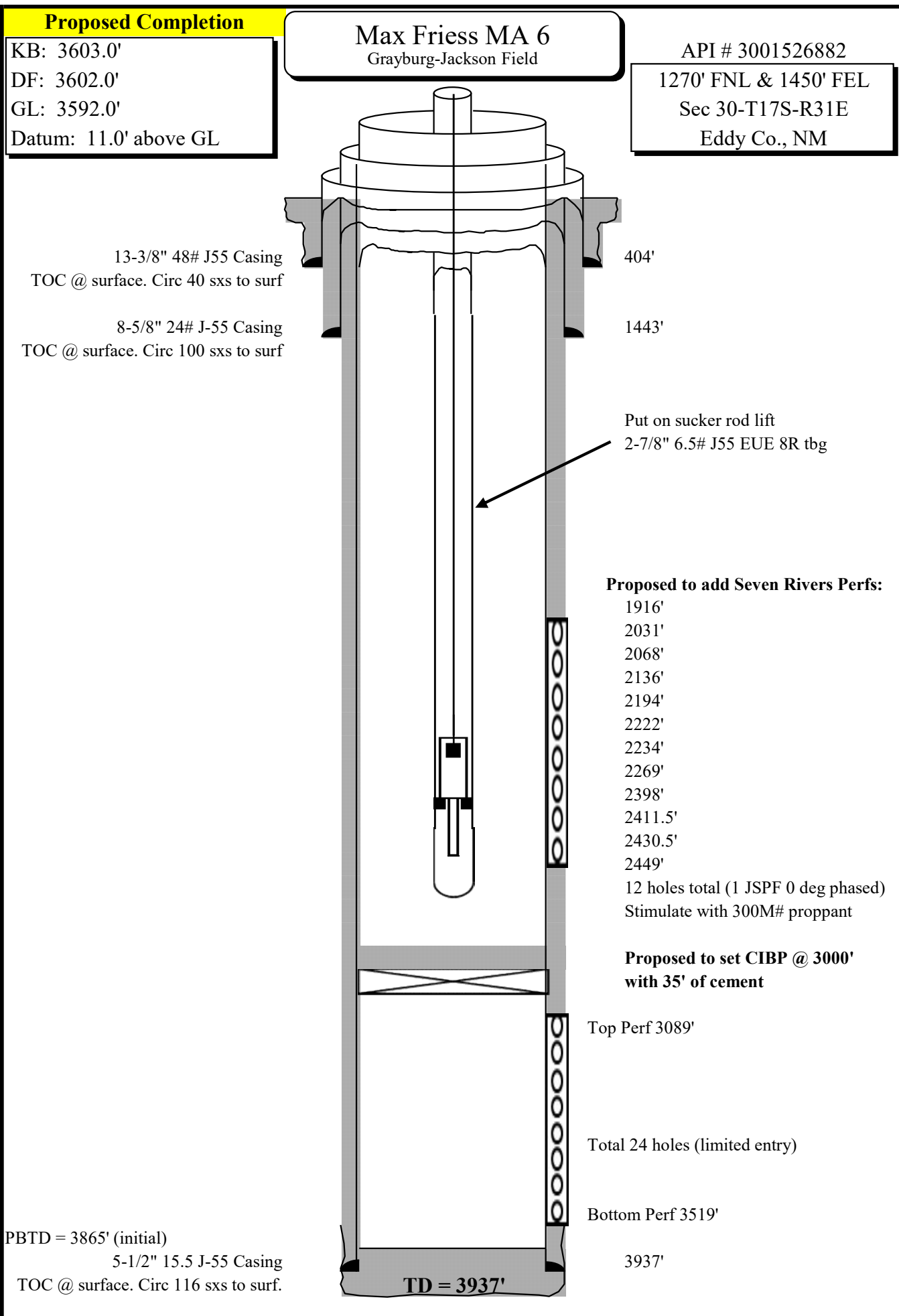
Casing Strings					
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ftKB)
Surface	13 3/8	48.00	J-55		404.0
Intermediate	8 5/8	24.00	K-55		1,443.0
Production	5 1/2	15.50	J-55		3,937.0

Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
5/19/1992	3,089.0	3,094.0	
5/19/1992	3,185.0	3,185.0	
5/19/1992	3,187.0	3,187.0	
5/19/1992	3,189.0	3,189.0	
5/19/1992	3,191.0	3,191.0	
5/19/1992	3,193.0	3,193.0	
5/19/1992	3,194.0	3,194.0	
5/19/1992	3,199.0	3,199.0	
5/19/1992	3,201.0	3,201.0	
5/19/1992	3,202.0	3,202.0	
5/19/1992	3,203.0	3,203.0	
5/19/1992	3,206.0	3,206.0	
5/19/1992	3,220.0	3,224.0	
5/19/1992	3,513.0	3,513.0	
5/19/1992	3,516.0	3,519.0	

Tubing Strings							
Tubing Description Tubing - Production		Run Date 3/30/2022		String Length (ft) 3,248.31		Set Depth (ftKB) 3,249.9	
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing	10 1		T&C Upset	2 7/8	6.50	J-55	3,211 .11
Pump Seating Nipple	1			2 7/8			1.10
Perf Sub	1			2 7/8			4.00
Slotted Joint	1			2 7/8	6.50	J-55	31.50
Bull Plug	1			2 7/8			0.60

Rod Strings							
Rod Description Rod		Run Date 3/30/2022		String Length (ft) 3,206.00		Set Depth (ftKB) 3,206.0	
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Polished Rod		Norris	Alloy Steel	1 1/4			26.00
Sucker Rod	11 4	Norris	Grade 54	3/4	1.63	D	2,825 .00
Sinker Bar	13	Norris		1 1/2	6.01		325.0 0
Sucker Rod		Norris	Grade 78	7/8	2.22	D	2.00
Rod Pump				1 1/2			16.00
Gas Anchor				1 1/2			12.00





## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

### Conditions of Approval for Permanent Abandonment of a Production Zone

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet, a 3M system for a well not deeper than 13,636 feet, or a 5M system for a well not deeper than 22,727 feet (all depths are for measured well depth).
3. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.
4. Cement Requirement: Sufficient cement shall be used to bring any required plug to the approved depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours. In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. Before pumping cement on top of CIBP, a tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary. Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.
5. Subsequent Plug back Reporting: Within 30 days after plug back work is completed, file a Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date work was completed. If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.
6. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
7. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted

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 435118

CONDITIONS

Operator: LH Operating, LLC 27120 Fulshear Bend Drive Fulshear, TX 77441	OGRID: 329319
	Action Number: 435118
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD Inspector 24 hrs prior to work.	5/2/2025
ward.rikala	Passing MIT test in accordance with 19.15.26.11 NMAC.	5/2/2025
ward.rikala	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	5/2/2025
ward.rikala	New plug back total depth is required on C-103R.	5/2/2025
ward.rikala	Submit C-104 showing new perf interval.	5/2/2025