

| | | |
|----------------------------|---|-----------------------------------|
| Well Name: H E WEST A | Well Location: T17S / R31E / SEC 3 / SENE / 32.8669811 / -103.8530179 | County or Parish/State: EDDY / NM |
| Well Number: 31 | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMLC029426A | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3001528323 | Operator: LH OPERATING LLC | |

Notice of Intent

Sundry ID: 2817955

| | |
|--|------------------------------|
| Type of Submission: Notice of Intent | Type of Action: Plug Back |
| Date Sundry Submitted: 10/21/2024 | Time Sundry Submitted: 09:55 |
| Date proposed operation will begin: 11/04/2024 | |

Procedure Description: Recomplete from Grayburg- San Andres intervals from 3351...4115' to the Seven Rivers intervals, 2351'...2816'. 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 perfs @ 3250' and test. Dump bail 20' of cement on top of CIBP. 7. GIH and perforate Seven Rivers intervals @ 2816', 2738', 2721', 2668', 2650', 2614', 2588', 2572', 2553', 2474', 2420', and 2351' (2 shots per foot a total of 24 total holes). 8. RIH with packer and 3-1/2" work string. Set packer at 2300'. 9. Install valve on 3-1/2" tbg. 10. Stimulate Seven Rivers intervals, 2351...2816'. 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

Received by OCD: 10/30/2024 9:45:16 AM

Page 2 of 10

| | | |
|----------------------------|---|-----------------------------------|
| Well Name: HE WEST A | Well Location: T17S / R31E / SEC 3 / SENE / 32.8669811 / -103.8530179 | County or Parish/State: EDDY / NM |
| Well Number: 31 | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMLC029426A | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3001528323 | Operator: LH OPERATING LLC | |

Conditions of Approval

Specialist Review

HE_West_A_Recompletion_Sundry__2817955__20241030065310.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: OCT 21, 2024 09:55 AM |
| 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: 10/30/2024 |
| 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 |
| SUNDRY NOTICES AND REPORTS ON WELLS <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 |

| | | |
|---|-----------------------------------|---|
| SUBMIT IN TRIPLICATE - Other instructions on page 2 | | 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 | |

| | | |
|---|--------|------|
| THE SPACE FOR FEDERAL OR STATE OFFICE USE | | |
| 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, 23512816.
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: SENE / 1419 FNL / 1247 FEL / TWSP: 17S / RANGE: 31E / SECTION: 3 / LAT: 32.8669811 / LONG: -103.8530179 (TVD: 0 feet, MD: 0 feet)
BHL: SENE / 1419 FNL / 1247 FEL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Revised BLM Procedure

Recomplete from Grayburg- San Andres intervals from 3351...4115' to the Seven Rivers intervals, 2351'...2816'. 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 perfs @ 3250' and test. Dump bail **35'** of cement on top of CIBP.
7. GIH and perforate Seven Rivers intervals @ 2816', 2738', 2721', 2668', 2650', 2614', 2588', 2572', 2553', 2474', 2420', and 2351' (2 shots per foot a total of 24 total holes).
8. RIH with packer and 3-1/2" work string. Set packer at 2300'.
9. Install valve on 3-1/2" tbg.
10. Stimulate Seven Rivers intervals, 2351...2816'.
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.

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Recompletion operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to Recomplete the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be Recompleted. Failure to do so will result in enforcement action.

The rig used for the Recomplete procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any Recomplete operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **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; and a 5M system for a well not deeper than 22,727 feet.

4. **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.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified 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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, 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.

7. Subsequent Recomplete Reporting: Within 30 days after Recomplete work is completed, file one original and three copies of the Subsequent Report of Recomplete, Form 3160-5 to BLM. The report should give in detail the manner in which the recompletion 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 well was recompleted.

8. 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.

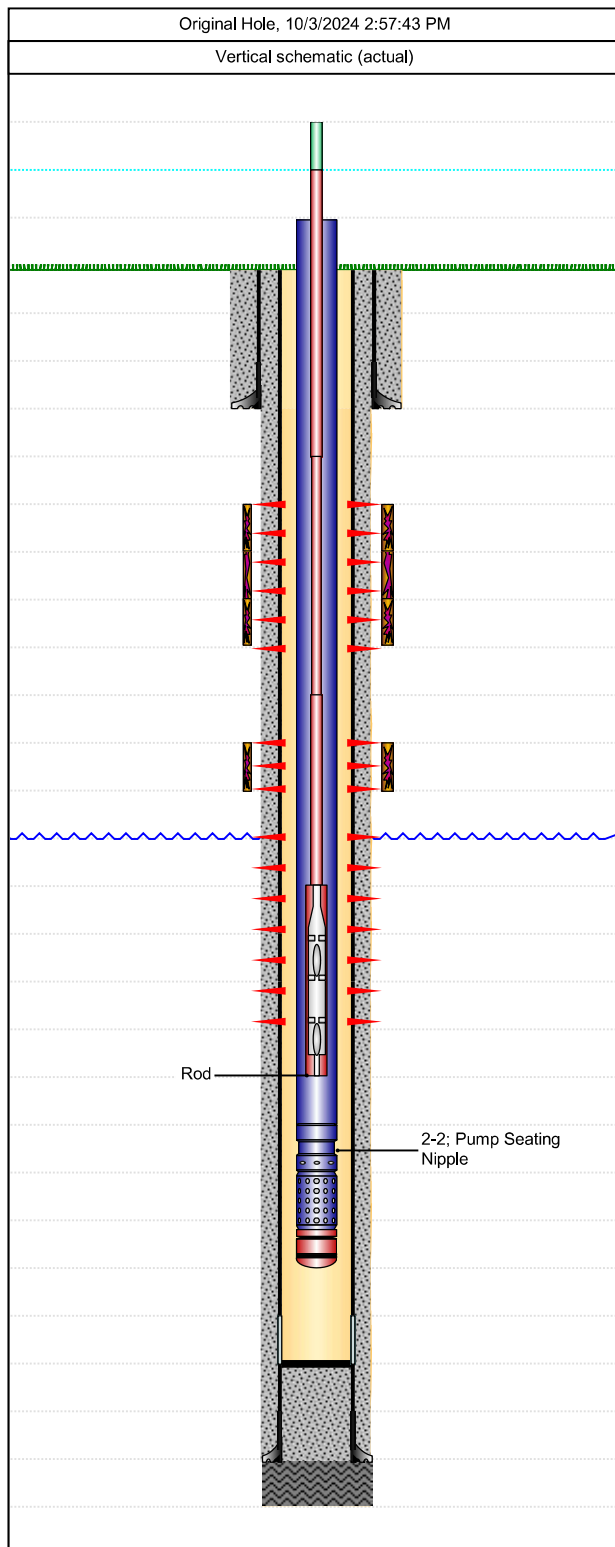
WellView®

Downhole Well Profile

Well Name: WEST H E A 31

| | | | | | |
|--|------------------------------|---------------------------------------|------------------------------|--|------------------------------|
| API/UWI 3001528323 | Surface Legal Location | Field Name PBNM - PB-GRAYBURG WEST | Spud Date Notice Information | State/Province NM | Well Configuration Type |
| Original KB Elevation (ft) 3,984.00 | KB-Tubing Head Distance (ft) | Initial Spud Date 12/26/1995 00:00 | Rig Release Date | PBTD (All) (ftKB) Original Hole - 4,459.0 | 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 | 8 5/8 | 24.00 | J-55 | | 649.0 | |
| Production | 5 1/2 | 15.50 | J-55 | | 4,504.0 | |
| Perforations | | | | | | |
| Date | Top (ftKB) | Btm (ftKB) | Linked Zone | | | |
| 1/4/1996 | 3,351.0 | 3,721.0 | | | | |
| 1/4/1996 | 3,861.0 | 3,949.0 | | | | |
| 1/4/1996 | 3,981.0 | 4,115.0 | | | | |
| Tubing Strings | | | | | | |
| Tubing Description | Run Date | String Length (ft) | | Set Depth (ftKB) | | |
| Tubing - Production | 2/18/2008 | 4,150.25 | | 4,154.0 | | |
| Item Des | Jts | Make | Model | OD (in) | Grade | Len (ft) |
| Tubing | 13 2 | | T&C Upset | 2 7/8 | 6.50 J-55 | 4,117.00 |
| Pump Seating Nipple | 1 | | | 2 7/8 | | 1.10 |
| Tubing | | | T&C Non-Upset | 2 7/8 | 6.50 J-55 | 31.50 |
| Bull Plug | 1 | | | 2 7/8 | | 0.65 |
| Rod Strings | | | | | | |
| Rod Description | Run Date | String Length (ft) | | Set Depth (ftKB) | | |
| Rod | 2/18/2008 | 4,130.00 | | 4,118.0 | | |
| Item Des | Jts | Make | Model | OD (in) | Wt (lb/ft) | Grade Len (ft) |
| Pony Rod | 2 | Norris | Grade 75 | 7/8 | 2.22 D | 12.00 |
| Sucker Rod | 52 | Norris | Grade 54 | 7/8 | 2.22 D | 1,300.00 |
| Sucker Rod | 10 0 | Norris | Grade 75 | 3/4 | 1.63 D | 2,500.00 |
| Sucker Rod | 12 | Norris | Grade 78 | 7/8 | 2.22 D | 300.00 |
| 2.5 X 2 X 18' RXBC SND DIVERter PUMP | 1 | | | 1 1/2 | | 18.00 |

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 397183

CONDITIONS

| | |
|---|---|
| Operator: LH Operating, LLC 3730 Kirby Drive Houston, TX 77098 | OGRID: 329319 |
| | Action Number: 397183 |
| | Action Type: [C-103] NOI Workover (C-103G) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|------------------------------------|----------------|
| kfortner | Federal well follow BLM guidelines | 11/13/2024 |