

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNMOCD  
HobbsFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.  
NMNM13647

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
CAVE LION 5 FEDEAL WC 5H9. API Well No.  
30-025-4410210. Field and Pool or Exploratory Area  
HARDEN TANK; WOLFCAMP11. County or Parish, State  
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
MARATHON OIL PERMIAN, LLCContact: JENNIFER E VAN CUREN  
E-Mail: jvancuren@marathonoil.com3a. Address  
5555 SAN FELIPE RD  
HOUSTON, TX 770573b. Phone No. (include area code)  
Ph: 713-296-2500

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

Sec 5 T26S R35E Mer NMP SWSW 185FSL 480FWL  
32.065600 N Lat, 103.396000 W Lon

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

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Drilling Operations                       |
| <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 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 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 determined that the site is ready for final inspection.

MARATHON OIL PERMIAN LLC spud well on 10/31 @ 2350 hrs.  
10/31- Spud well, Drilled to 145'. 11/1- Drill 17.5 from 145' to 1,106', Circulate hole clean, TOH, run 13 3/8 casing and cement. Run and cement 13 3/8 19 of 25 jnts 61# J55 BTC casing, WOC, NUWH, bop's, and rotating head bowl. 11/2- Run and connect koomy lines, remove cutter head boal and install kill line, and choke line. Test BOP, failed, brought in new BOP. BLM contacted by PET said he would not make it out to witness. 11/3- BLM Stephen Bailey witness the BOP and test was good. Start drilling 12.25 section. 11/4 - TIH, drill out shoe track, perform FIT, drill 12.25 section to 3,952' 11/5 - Drill to Casing Pt. 5,450', Circulate hole clean, trip out hole to 2,800'. Contacted BLM about upcoming casing and cement job. 11/6- Ran 121 jts of 9 5/8 40# L80-ICBTC. Shoe set at 5,440' MD. 11/7- BLM witnessed intermediate cement job. Pumped 20 bbls gel spacer and 405 bbls (838 sxs) tail cement with returns observed (139 & 285) Pressure tested casing to 1800 psi for 30 minutes (passed). 11/8- Drill shoetrack + 10' of new formation to 5,460, circulate, perform FIT / Drill

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #398109 verified by the BLM Well Information System  
For MARATHON OIL PERMIAN, LLC, sent to the Hobbs  
Committed to AFMSS for processing by JENNIFER SANCHEZ on 12/20/2017

Name (Printed/Typed) JENNIFER E VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 12/14/2017

## THIS 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)

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

## Additional data for EC transaction #398109 that would not fit on the form

### 32. Additional remarks, continued

ahead from 5,460' to 8,268'. 11/9-Drill 8 3/4 section from 8,268 to 9,175', Circulate hole clean. Check well flowing. Shut well in and no pressure found. Circulate B/U, spot heavy pill on bottom. TOH from 9,175' to BHA. Change out motor. 11/10- Function test all rams and valves on BOPs, pick up BHA, TIH to 9,125', Circulate heavy pill out of hole, Re-log gamma from 9,125' to 9,175', drill from 9,175' to 10,350'. 11/11- Drill from 10,350 to 10,373. TOOH from 10,373. 11/12- Repair draw works and change out seals on gear box. TIH from 5,2360 to 10,000. re-log gamma from 10,300 to 10,373. Continue drilling from 10,373 to 10,445. 11/13-Drill 8 3/4 section to 11,630. 11/14-continue drilling 8 3/4 section to 11,840, circulate hole. Notified BLM on 11/14 at 1800. 11/15-run and cement 7" csg. Notified Paul Flowers with 4 hr cement at 1430 hrs and 4 hr BOP test notification at 1900 hrs. Was given permission to proceed. 11/16-tested csg to 4400 psi for 30 min, bled off to 4380, test good. TOC at 1032'. 11/17-20 continue drilling vertical to 12040, drill curve to 12435, service rig. 11/21-22 Continue drilling to 12760 and start lateral. 11/23 -TIH with fishing tools, TOH with fishing tools(not recovered), PU sidetrack asy, TIH push fish to 13492, Trough @ 160L. Contacted Charles Nimmer with intent to sidetrack well at 1400 hrs on 11/23-25 sidetrack from 13252 to 13273 and TOH. 11/26-12/2 Drill 3 1/8 lateral to 17275, circulate. Notified Stephen Bailey of intent to run liner and cement job at 0745 hrs on 12/3. 12/3-12/4 TOH run production csg. and cement. TOC 11525. Packer 11509, Hanger 11505. Pressure tested to 4850 psi for 30 min, good. LD pipe ND rotating head, BOP RDMO at 0600 on 12/7/17.