

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

JAN 16 2018

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
CAVE LION 5 FEDEAL WC 5H

2. Name of Operator
MARATHON OIL PERMIAN, LLC
Contact: JENNIFER E VAN CUREN
E-Mail: jvancuren@marathonoil.com

9. API Well No.
30-025-44102

3a. Address
5555 SAN FELIPE RD
HOUSTON, TX 77057

3b. Phone No. (include area code)
Ph: 713-296-2500

10. Field and Pool or Exploratory Area
HARDEN TANK; WOLFCAMP

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

11. County or Parish, State
LEA COUNTY, NM

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Recomplete
	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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 recomple 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 recomple 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

circulate?

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

ACCEPTED FOR RECORD

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 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

JAN 4 2018

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.