

NM OIL CONSERVATION
 UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 ARTESIA DISTRICT

FORM APPROVED
 OMB NO. 1004-0135
 Expires: July 31, 2010

OCT 14 2014

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.

RECEIVED

5. Lease Serial No.
 NMNM17103

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
 LEE FEDERAL 20H

2. Name of Operator
 CIMAREX ENERGY COMPANY
 Contact: ARICKA EASTERLING
 E-Mail: aeasterling@cimarex.com

9. API Well No.
 30-015-39917

3a. Address
 202 S. CHEYENNE, SUITE 1000
 TULSA, OK 74103

3b. Phone No. (include area code)
 Ph: 918-560-7060

10. Field and Pool, or Exploratory
 AVALON; BONE SPRING, EAST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Sec 25 T20S R28E NENE 660FSL 330FEL

11. County or Parish, and State
 EDDY COUNTY, NM

12. CHECK 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 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 recomplete 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilling and Completion:

5/25/14 Spud Well
 5/26/14 TD 26" Surface Hole at 257'. Ran 20 94# J-55 BT&C Casing to 257'. Mix & Pump Tail cmt: 900 sxs of Class C cmt, 14.8 ppg, 1.347 yld. Circ 375 sxs of cmt to surface. WOC 24+ hrs
 5/27/14 Test Casing to 1500 psi for 30 minutes.
 5/31/14 TD 17 1/2" Hole @ 1412'
 6/1/14 Ran 13 3/8" 54.5# J-55 BT&C Casing to 1412. Mix & Pump Lead cmt: 825 sxs of Class C cmt, 12.9 ppg, 1.855 yld. Tail cmt: 300 sxs of Class C cmt, 14.8 ppg, 1.33 yld. Circ 330 sxs of cmt to surface. WOC 24+ hrs.
 6/2/14 Test Casing to 1500 psi for 30 min, ok.
 6/4/14 TD 12 1/4" Hole at 3027'. Ran 9 5/8" 36#, J-55 LT&C Casing to 3027'. DV Tool Set @ 1473'.

Accepted for record
 RD NMOC 10/15/14

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #267459 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (Printed/Typed) ARICKA EASTERLING	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/01/2014

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.

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

Additional data for EC transaction #267459 that would not fit on the form

32. Additional remarks, continued

6/5/14 Mix & Pump Lead Stage 1 cmt: 250 sxs of EconoCem, 12.90 ppg, 1.9103 yld. Tail Stage 1 cmt 250 sxs of HalCem cmt, 14.8 ppg, 1.36 yld. Circ no cmt of top of DV Tool. Mix & Pump Lead Stage 2 cmt: 560 sxs of ExtendaCem cmt, 13.5 ppg, 1.7231 yld. Tail Stage 2 cmt: 50 sxs of HalCem cmt, 14.8 ppg, 1.36 yld. Circ 274 sxs of cmt to surface. WOC 24+ hrs.

6/6/14 Test Casing to 1500 psi for 30 min, ok.

6/12/14 TD Well at 12125'

6/14/14 Ran 5 1/2" 17# P-110 LT&C/BT&C

6/14/14 to 6/15/14 Mix & Pump Lead: 900 sxs of EconoCem H cmt, 11.9 ppg, 2.48 yld. Tail cmt: 1430 sxs of VersaCem H cmt, 14.5 ppg, 1.24 yld. Circ 45 sxs of cmt to surface. WOC

6/15/14 Rig Released

7/29/14 Test Casing to 9000 psi for 30 min. Good Test. TOC at 0'.

8/11/14 to 8/13/14 Perf 2nd Bone Spring at 7600'-12085', 240 holes. Frac with 1,762,849 gal of frac fluid and 2,670,519 # of sand.

8/14/14 Mill out plugs. Wash to plugback TD @ 12100'. Flow well.

8/20/14 RIH w/ 2 7/8" tubing and pump, set @ 7080'.

8/21/14 Turn well to production.