

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|---|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM95630 |
| 2. Name of Operator CIMAREX ENERGY COMPANY OF CO | | 6. If Indian, Allottee or Tribe Name |
| Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701 | 3b. Phone No. (include area code) Ph: 432-620-1936 | 8. Well Name and No. CAVE LAKE 13 FEDERAL COM 4 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T16S R28E NENE 660FNL 150FEL | | 9. API Well No. 30-015-39593-00-S1 |
| | | 10. Field and Pool, or Exploratory CROW FLATS-WOLFCAMP |
| | | 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 checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Deepen |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Fracture Treat |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Plug and Abandon |
| | <input type="checkbox"/> Plug Back |
| | <input type="checkbox"/> Production (Start/Resume) |
| | <input type="checkbox"/> Reclamation |
| | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Water Disposal |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Well Integrity |
| | <input checked="" type="checkbox"/> Other Drilling Operations |

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 shall 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 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

11/11/11 SPUD WELL

11/12/11 TD 17-1/2" HOLE @ 370'. RIH W/ 13-3/8" 48, J55, STC csg & set @ 370'. Cmt w/ lead: 220 sx Extendecem. Tail w/ 220 sx Halcem C. Circ 99 sx. WOC 16+ hrs. Tested csg to 1250 psi for 30 mins - ok.

11/23/11 TD 8-3/4" pilot hole @ 7299'. RIH w/ 7", 26#, P110 LTC csg & set @ 6479'.

11/25/11 Mix & pum 1420 sx Econocem. Mix & pump 270 sx Halcem C. Test csg to 3000 psi for 30 mins - ok - WOC 24 hrs.

11/27/11 Mix & pump 220 sx KOP. WOC 8 + hrs. TIH to TOC @ 6415'. Drill out cmt @ 6415-6435'.

11/28/11 Drill out cmet from 6435-6575'. KO lateral @ 6575'. Drilling 6-1/8" hole.

12/9/11 TD 6-1/8" hole @ 10475'.

12/10/11 Abandon lateral - Mix and pump 1st plug: TIH to 10450'. 200 sx PlugCem. Circ 15 bbls.

RECEIVED

FEB 28 2012

NMOCD ARTESIA

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

**Electronic Submission #131229 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/21/2012 (12TMM0005S)**

Name (Printed/Typed) TERRI STATHEM

Title REGULATORY ANALYST

**Accepted for record
NMOCD**

Signature (Electronic Submission)

Date 02/20/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------------------------------------|-----------------|
| Approved By ACCEPTED | JAMES A AMOS Title SUPERVISOR EPS | Date 02/25/2012 |
| 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 Carlsbad | | |

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #131229 that would not fit on the form

32. Additional remarks, continued

2nd plug: PUH @ 9492'. 200 sx PlugCem. No circ. 3rd Plug: PUH @ 8532'. 200 sx PlugCem. No circ. 4th plug: PUH @ 7070'. 225 sx Plug Cem. No circ. WOC per BLM procedures.
12/11/11 TIH tag TOC @ 5995'. Drill cmt @ 5995-6530, hard cement @ KOP.
12/12/11 KO lateral @ 6530', drilling 6-1/8" hole.
12/21/11 TD 6-1/8" hole @ 11378'.
12/25/11 RIH w/ Peak Pkr system - 4-1/2", 11.6#, P110 BTC liner and set @ 6216-11213'.
12/26/11 Tested hanger @ 4400 psi for 15 mins - ok. Tested backside to 2000 psi for 30 mins - ok.

12/27/11 Release rig.

Completion

01/20/12 Frac Port #1 @ 10971-11213' w/ 172857 gals total fluid; 150000# sd. Frac Port #2 @ 10436-10971' w/ 161280 gals total fluid; 130000# sd. Frac Port #3 @ 9989-10436' w/ 179700 gals total fluid; 140000# sd. Frac Port #4 @ 9499-9989 w/ 181972 gals total fluid; 150000# sd.
01/21/12 Frac port #5 @ 9008-9499' w/ 180842 gals total fluid; 150000# sd. Frac port #6 @ 8566-9008' w/ 151192 gals total fluid; 100000# sd. Frac port #7 @ 8033-8566' w/ 178953 gals total fluid; 150000# sd. Frac port #8 @ 7589-8033' w/ 171889 gals total fluid; 150000# sd. Frac port #9 @ 7017-7589' w/ 177029 gals total fluid; 150000# sd. Frac port #10 @ 6206-7017' w/ 176067 gals total fluid; 150000# sd.
01/26/12 DO frac sleeves. CO to TD @ 11205'.
11/27/12 RIH w/ production equip. Reda pump - 2-7/8" tbq set @ 6159'.