

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

DEC 24 2012

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: TERRI STATHEM

E-Mail: tstathem@cimarex.com

3a. Address

600 N. MARIENFELD ST., SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 918-295-1763

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

Sec 36 T19S R32E NWNE 660FNL 2310FEL

33

5. Lease Serial No.
NMNM27573

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
LAGUNA DEEP UNIT 21H9. API Well No.
30-025-4081210. Field and Pool, or Exploratory
TEAS11. County or Parish, and State
LEA COUNTY, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Change to Original A
PD

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.)

Cimarex Energy respectfully requests approval to change the 5-1/2" casing and cementing plans as follows:

Due to lost circulation and to ensure casing gets on bottom:

Casing Program:

5-1/2", 17#, P110, LTC from 0-8880'

4-1/2", 11.6#, P110, BTC from 8880-16450' (TD)

DV tool @ +/- 8700-8800'

ACP just below DV tool

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #167533 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 12/20/2012 ()

Name (Printed/Typed) TERRI STATHEM

Title COORDINATOR REGULATORY COMPLIA

Signature (Electronic Submission)

Date 12/20/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

APPROVED

/s/ Chris Walls

DEC 20 2012

Date

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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 **

JAN 08 2013

Additional data for EC transaction #167533 that would not fit on the form

32. Additional remarks, continued

Cement Program:

Stage 1 Cement: 1550 sx 14.2 ppg 1.30 yield 50:50 Poz:H

Stage 2 Lead: 600 sx 10.8 ppg 60:40 Poz:C 3.68 Ft³/SK

Stage 2 Tail: 100 sx 14.2 ppg 1.30 yield 50:50 Poz:H

8-5/8" Intermediate set @ 5375'

Top of Bone Springs, = 8145

KOP = 8888'

Conditions of Approval

1. The minimum required fill of cement behind the 5-1/2 x 4-1/2 inch production casing is:

a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage. **Additional cement may be required – excess calculates to 17%.**

b. Second stage above DV tool:

- ☒ Cement should tie-back at least **2600 feet** (as indicated in APD) into previous casing string. Operator shall provide method of verification. BLM shows the top of Capitan Reef marker at approximately 3700 feet (reef-backreef interface).