

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

RECEIVED

NOV 09 2009

HOBBSSOCD

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

☐ Oil Well☐ Gas Well☒ Other

WIW

2. Name of Operator

Cimarex Energy Co. of Colorado

3a Address

600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b Phone No. (include area code)

432-571-7800

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

330' FSL & 1980' FEL
20-19S-32E

5. Lease Serial No.

LC-065710-A

6. If Indian, Allottee or Tribe Name

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

NM 94514X
Lusk West Delaware Unit

8. Well Name and No.

Lusk West Delaware Unit No. 015

9. API Well No.

30-025-30490

10. Field and Pool, or Exploratory Area

Lusk; Delaware, West

11. County or Parish, 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 Squeeze Casing

Leak and Add Perfs in

Delaware (Cherry Canyon)

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included 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.)

The LWDU No. 15 is currently TA. There is a CIBP @ 6370.' Perfed in Delaware (Brushy Canyon) from 6452-6459' in 02-89. Converted to SWD in 10-97. Cimarex proposes to squeeze the casing leak between the surface and intermediate casing and add perfs in Delaware (Cherry Canyon) as shown below:

- Log well. Perf 4 squeeze holes above TOC (CBL to be performed) and dump-bail 35' cmt on top of plug @ 6370.' Cement down casing with 500 sx Class C.
- Perf Delaware (Cherry Canyon) 4668-76' -- 4682-96' -- 4718-24' (59 holes, 2 spf). Acidize in 3 stages using 2500 gal 10% NeFe acid.
- Frac if needed.
- If unproductive, set CIBP @ 4620' and perform MIT test for TA while evaluating & scheduling Yates re-completion.
- If productive, a sundry will be filed to change well name to "Lusk Deep Unit A No. 14."

Please see attached procedure.

** No Injection Allowed without new order!*SEE ATTACHED FOR
CONDITIONS OF APPROVAL.

- 14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory

Date

October 14, 2009

APPROVED

NOV 4 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Date

DISTRICT 1 SUPERVISOR

NOV 09 2009

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.

Title 18 U.S.C. Section 1001, makes 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 reverse)

RECOMPLETION PROCEDURE

Lusk Deep Unit "A" #14

(Formerly LWDU #015)

Lusk West Delaware Field

API # 30-025-30490

330' FSL & 1980' FEL

Unit "O", Sec 20, T-19S, R-32E

Lea County, New Mexico

GL: 3564'

TD : 7200'

DOD: 7155'

KB: 3581'

PBTD: 6370' (CIBP)

13³/₈", 48# @ 843' w/ 1000 sx cmt. TOC @ Surface

8⁵/₈", 24# @ 4,500' w/ 1700 sx cmt. DV TOOL @ 2860' TOC @ Surface

5¹/₂", 15.5# @ 7,200' w/ 850 sx cmt. TOC @ 2320' by Temp Survey

Perfs: 6,452' - 59' (2 JSPF)

1. RU Wireline and Mast Trailer. Make gauge ring run to PBTD of 6370'. Load hole with 2% KCl if necessary. Run GR/CCL/CBL from 5200' to 2000' (0 psi on repeat, 500# on main pass). Run Cased-hole Neutron Log from 4500' to 2500'. Correlate to Atlas ZDL/CN/GR/Cal dated 11/18/88 across Cherry Canyon from 4600-4800'. Send electronic files to cmcgehee@cimarex.com. Perforate 4 squeeze holes above TOC (assume 3100' for bid purposes). Dump bail 35' cement on top of plug at 6370'. RDMO wireline.
2. Rig up pump truck and attempt to break circulation down 5-1/2" casing and out intermediate casing. If poor or no circulation, discuss with Midland before proceeding.
3. Rig up cementers. Pump fresh water spacer. Cement down casing using 500 sx Class C cement and wiper plug. Once circulation of cement is seen out intermediate casing, begin closing intermediate casing valve in order to force cement into leak between intermediate and surface casing. Do not exceed 500 psi backpressure on intermediate casing. Flush with fresh water, leaving 50' of good cement inside casing.
4. Deliver 4800' 2-7/8" J-55 tubing (used yellow-band if possible) to location. MIRU Pulling. ND Wellhead and NU 3K Manual BOP's. Pick up bit, scraper and tubing and run in hole to 4800'. Circulate hole clean with 2% KCl. TOH.
5. Perforate Cherry Canyon using 3-1/8" casing guns from **4668-76', 4682-96', and 4718-24' (59 total holes, 2 spf, 120 deg spiral)**. All depths correlated to Atlas ZDL/CN/GR/Cal dated 11/18/88.
6. RIH with packer and RBP. Acidize in 3 stages using 2500 gal 10% NEFE acid. Move RBP below all new perfs.
7. Swab test to determine oil cut and fluid entry. If test is encouraging (>1500' entry overnight, > 30% oil cut) fracture stimulation and installation of rod pump equipment will be recommended under separate AFE.
8. If not productive, set CIBP at 4620'. Chart and test for BLM and NMOCD and TA while evaluating & scheduling Yates re-completion.

**Lusk West Delaware Unit No. 015
30-025-304901
Cimarex Co of Colorado
October 28, 2009
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. 2M BOP to be NU and tested before RIH.**
- 4. An electronic and hard copy of the logs is to be submitted to the BLM. The electronic copy can be submitted via disk or by email to Myles_Kristof@nm.blm.gov**
- 5. If Cherry Canyon is not productive, CIBP set @ 4620' must have 35' of cement bailed on it and it is to be tagged. Notify the BLM 24 hours prior to setting CIPB and performing MIT.**
- 6. Will need separate sundry requesting TA, must include justification and timing.**
- 7. Subsequent sundry and completion report required.**

MAK 110409