

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

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

CIMAREX ENERGY CO. OF COLORADO

Contact: NATALIE E KRUEGER

Email: nkrueger@cimarex.com

## 3a. Address

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

## 3b. Phone No. (include area code)

Ph: 432-620-1936  
Fx: 432-620-1940

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

Sec 15 T18S R32E Mer NMP SENE 1980FNL 330FEL

5. Lease Serial No  
NMNM94191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No  
PENDING8. Well Name and No  
WEST SHINNERY 15 FEDERAL COM 0019. API Well No.  
30-025-4006610. Field and Pool, or Exploratory  
YOUNG; BONE SPRING, N11. 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

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 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.)

Cimarex would like to change casing plans for the production string.

Instead of setting 5.5 inch 17# P110 BTC AND LTC casing, Cimarex proposes to use LTC from 0-13602.

Also propose to cement production string with Lead: 795 SKS EconoCem - H + 0.2 % HR-601 2.44 11.9ppg 2.44 yield 50% Excess, Tail: 1375 SKS Versacem - H + 0.5% Halad(R)-344 + 0.4% CFR-3 + 1 lbm/sk salt + 0.1% HR-601 14.5ppg 1.22 yield 25% Excess, TOC 2800. Centralizers every 3rd joint in lateral to provide adequate cement coverage every 100' unless lateral doglegs require greater spacing between centralizers.

However, in case of lost returns while drilling, Cimarex proposes the permitted 2-stage cement job.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Electronic Submission #108351 verified by the BLM Well Information System  
For CIMAREX ENERGY CO. OF COLORADO, sent to the Hobbs

Name (Printed/Typed) NATALIE E KRUEGER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/16/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Ted M. Morgan

Title

Petroleum Engineer

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

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 \*\*

AUG 11 2011

**West Shinnery 15 Fed Com #3H**  
**Cimarex Energy Company**  
**30-025-40066**  
**June 30, 2011**  
**Conditions of Approval**

**Summary of Current Status:**

- Original APD was approved 02/18/2011.

**Requests:**

1. To replace combination LTC and BTC 5-1/2" string with all LTC.
2. If 8-3/4" hole can be drilled with full returns, then Operator is proposing standard one stage cement job for TOC at 2800'. The two stage cement job already approved will become the backup plan, to be utilized if returns are lost while drilling the hole section.
3. Centralizers every third joint in lateral with option to adjust as needed due to hole conditions.

**Conditions of Approval:**

- a) Use of LTC connectors for the full string of 5-1/2" is approved.
- b) The plan for use and placement of centralizers is accepted, along with the option for adjusting centralizer quantity and placement based on hole conditions.
- c) The single stage cement job for the 5-1/2" casing is approved, if the section is drilled without losses.
- d) Should losses occur while pumping or displacing the cement or fallback occurs after the cement is in place then BLM shall be promptly notified, and the Operator shall provide method to confirm the TOC.

TMM 06/30/2011

**Additional data for EC transaction #108351 that would not fit on the form**

**32. Additional remarks, continued**

as a contingency.