

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

OCD-HOBBS

SEP 27 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 NM-36916 |
| 2. Name of Operator Cimarex Energy Co. of Colorado | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701 | | 7. If Unit or CA/Agreement, Name and/or No North Maduro Federal Unit |
| 3b. Phone No (include area code) 432-571-7800 | | 8. Well Name and No. North Maduro Federal Unit No. 3 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL 2310 FNL & 560 FWL 20-19S-33E BHL 1980 FNL & 330 FEL | | 9. API Well No. 30-025-39623 |
| | | 10. Field and Pool, or Exploratory Area Tonto; Bone Spring, South |
| | | 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 | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input type="checkbox"/> Subsequent Report | <input checked="" type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal |
| | | | <input type="checkbox"/> Water Shut-Off |
| | | | <input type="checkbox"/> Well Integrity |
| | | | <input checked="" type="checkbox"/> Other Alter intermediate casing depth, alter production casing & lateral |

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 recompleton 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)

Intermediate Casing Changes

The well's permitted casing program includes 9 3/4" 40# J/K-55 LTC intermediate casing to 4950.' Cimarex would like to change the the casing to N-80. Cement with Lead: 1050 sks EconoCem + 2% Cacl + 3% salt + 3 lbm gilsonite 2.06 ft3/sk 12.5 ppg and Tail: 215 sks HalCem + 1% CaCl 1.34 ft3/sk 14.8 ppg. TOC @ surface

Production Casing/Lateral Changes

The well's permitted casing program includes 7" for production casing and a 4 1/2" lateral string. Cimarex would like to change the production casing plans to 5 1/2" from surface, through the curve, to TD as shown below, using 8.4-9.0 ppg FW/Brine:

Permitted Casing Plans

Drill 8 3/4" pilot hole to 9640' and log. Run 7" tbg and cement, and kick off for 6 3/4" lateral hole. Drill lateral and run PEAK liner.
Pilot Hole: 7" 26# P-110 LTC 0-9640
Cement with **Lead** 360 sx Econocem + 3% Salt + 5# Gilsonite (wt 10, yld 1.71, **Tail** 365 sx Halcem (wt 14.8, yld 1.34)
Lateral: 4 1/2" 11.6# P-110 BTC 9540-10009' & LTC 10009-14227'
No cement, PEAK completion Liner
TOC 4600'

Proposed Changes

Drill 8 3/4" hole to pilot hole depth of 10250' and log. Set kick off plug from 8530-10070' with 270 sx Prem Plus H (15.8, 1.19) and kick off @ 9710' and drill to TD @ 14227.' Run 5 1/2" 17# P-110 LTC from 0-14227.'
Production: 5 1/2" 17# P-110 LTC from 0-14227' Cement with **Lead** 500 sx EconoCem + 5lbm/sk Gilsonite 2.48 cf/sk 11.9 ppg and **Tail** 1760 sx Halcem 15.6 ppg 1.19 cf/sk
TOC 4300'

**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

September 17, 2010

APPROVED

SEP 20 2010

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

Approved by

Title

PETROLEUM ENGINEER

Date

SEP 27 2010

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.