

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

OCD-HOBBS

SEP 21 2010

HOBBSOCD

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter
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

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)
SHL 2310 FNL & 560 FWL 20-19S-33E
BHL 1980 FNL & 330 FEL

5 Lease Serial No.
NM-36916
6 If Indian, Allottee or Tribe Name
7 If Unit or CA/Agreement, Name and/or No.
North Maduro Federal Unit
8 Well Name and No.
North Maduro Federal Unit No. 3
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"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Alter intermediate
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	casing depth, alter
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	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 recomple 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 recomple 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 1/2" 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 kick off point @ 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'

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

Natalie Krueger

Signature

Title

Regulatory

Date

August 30, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

Date

SEP 22 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.

Office

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)

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