

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
AUG 12 2010
NMOCD ARTESIA

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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

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 330 FNL & 330 FWL 1-19S-30E
BHL 330 FSL & 660 FWL

5 Lease Serial No

NM-0560353

6 If Indian, Allottee or Tribe Name

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

8 Well Name and No

Crescent Hale 1 Federal Com No. 1

9 API Well No.

30-015-37652

10 Field and Pool, or Exploratory Area

Undesignated Bone Spring

11 County or Parish, State

Eddy 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

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-Off

☐ Subsequent Report

☒ Alter Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Casing Repair

☐ New Construction

☐ Recomplete

☒ Other Alter intermediate

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

casing depth, alter

☐ Final Abandonment Notice

☐ Convert to Injection

☐ Plug Back

☐ 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 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)

Intermediate Casing Changes

The Crescent Hale 1 Fed Com #1's permitted casing program includes 9 1/2" 40# JK-55 LTC intermediate casing to 4000.' Cimarex would like to change the depth to 3250.' Cement with **Lead** 680 sks EconoCem + 2% Cacl + 3% salt + 3 lbm gilsonite (wt 12.5, yld 2.06) and **Tail** 215 sks HalCem + 1% CaCl (wt 14.8, yld 1.34). **TOC @ surface.**

Production Casing/Lateral Changes

The Crescent Hale 1 Fed Com #1's permitted casing program includes 7" and 2 1/2" 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 8950' and log. Run 7" & FG tbg and cement, and use as KO plug for 6 1/2" lateral hole. Drill lateral and run PEAK liner.

Pilot Hole: 7" 26# P-110 LTC 0-8510' & 2 1/2" 2.18# IJ FG 8510-8950'

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 LTC 8410-13325'

No cement, PEAK completion Liner

TOC 3500'

Proposed Changes

Drill 8 3/4" pilot hole to 8950' and log. Set 250 sx Class H cmt plug from 8320-8950.' Kick off 8 3/4" lateral @ 8570' and drill to TD @ 13325.' Run 5 1/2" 17# P-110 LTC from 0-13325.'

Production/Liner: 5 1/2" 17# P-110 LTC from 0-13325' Cement with **Lead** 500 sx EconoCem + 5# Gilsonite (wt 11.9, yld 2.48) and **Tail** 1730 sx Halcem (wt 15.6, yld 1.19)

TOC 2750'

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

Natalie Krueger

Signature

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Title

Regulatory

Date

August 5, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

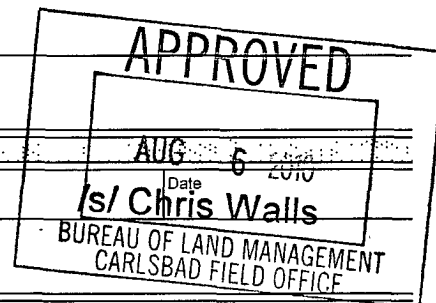
Title

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

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)



COH

**Crescent Hale 1 Fed Com 1
30-015-37652
Cimarex Energy Co. of Colorado
August 6, 2010
Conditions of Approval**

If lost circulation occurs in the Capitan Reef , the operator is to switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the production casing.

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash.

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

☒ Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification. **Additional cement may be required as the excess calculates to be 23%.**

CRW 080610