

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD ArtesiaFORM 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.*5. Lease Serial No.
NMLC068960

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
BLUETAIL 8 FEDERAL 4

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: NATALIE E KRUEGER

E-Mail: nkrueger@cimarex.com

9. API Well No.

30-015-38655-00-X1

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-620-1936

Fx: 432-620-1940

10. Field and Pool, or Exploratory
EMPIRE

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

Sec 8 T17S R29E SWNW Lot E 1850FNL 330FWL

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

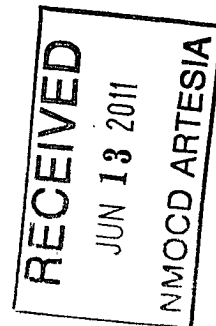
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" 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 type="checkbox"/> Other
	<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	

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 recompleate 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 recompleation 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 proposes to a) eliminate the intermediate casing string, but proposes a contingency plan in case of lost returns; and b) alter production casing plans. Please see plans below:

Eliminate intermediate casing string: Drill 11" hole to 1100. If no lost returns, switch to 7.875 inch hole at 1100 and drill 5300 and set 5.5 inch 17# N80 LTC @ 5300. Cement with Lead Slurry: 700 sacks Class C 50/50 Poz + 10% Bentonite + 0.3% FL-10 + 0.25% R-38 + 5% Salt, Mixed at 11.92 ppg. Yield 2.37 cuft/sx, 13.52 gal/sx Fresh Water. Tail Slurry: 320 sacks C Star Bond + 0.3% FL-10 + 0.1% C-20 + 0.25% R-38. Mixed at 13.2 ppg, Yield 1.55 cuft/sx, 7.86 gal/sx Fresh Water. TOC @ surface (50% excess)

However, if lost returns occur, contingency plan to set 8.625 inch 24# J55 STC @ 1100 will be implemented. Cement with Lead: 200 sx 50:50 Poz: C +0.2% Defoamer (D046) +5% D044 (Salt) +10%



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

Electronic Submission #109291 verified by the BLM Well-Information System

For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/31/2011 (11DLM0805SE)

Name (Printed/Typed) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 05/27/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

WITHDRAWNWESLEY INGRAM
Title PETROLEUM ENGINEER

Date 06/09/2011

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 Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted for record - NMOC

6-22-11

Additional data for EC transaction #109291 that would not fit on the form

32. Additional remarks, continued

D020(Extender) +1/8 pps Polyflake (D130) +2 pps Gilsonite (D042), 11.8 ppg, Yield 2.57, 15.061 gal/sx water. Tail: 300 sx C +1%S001 (CaCl₂), 14.8 ppg, 1.35 yield. 25% Excess, TOC surface.

Regardless of the intermediate casing situation, Cimarex plans to change production casing to 5.5 inch 17# N80 LTC @ 5300. Cement with Lead Slurry: 460 sacks Class C 50/50 Poz + 10% Bentonite + 0.3% FL-10 + 0.25% R-38 + 5% Salt, Mixed at 11.92 ppg. Yeild 2.37 cuft/sx, 13.52 gal/sx Fresh Water. Tail Slurry: 320 sacks C Star Bond + 0.3% FL-10 + 0.1% C-20 + 0.25% R-38. Mixed at 13.2 ppg, Yeild 1.55 cuft/sx, 7.86 gal/sx Fresh Water. TOC surface (50% excess).