

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

OCD Artesia

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

5. Lease Serial No.

NM-38636

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Amoco Federal No. 13

9. API Well No.

30-015-25810

10. Field and Pool, or Exploratory Area

Brushy Draw; Delaware

11. County or Parish, State

Eddy County, NM

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)
760 FNL & 660 FEL
28-26S-29E

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

☐ Final Abandonment Notice

☐ Casing Repair

☐ New Construction

☒ Recomplete

☒ Other Add Upper

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

Delaware perms

☐ Convert to Injection

☐ Plug Back

☐ Water Disposal

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 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.)

The Amoco Federal No. 13 has been shut in since 09-10. Lower Delaware perms @ 4876-4949. Please see procedure below and attached procedure and WBDs.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

- TOOH w/ rods and pump. NDWH & NUBOP. TOOH w/ tbg.
- Set RBP @ 3500 w/ 10' sand. Load csg w/ 2% KCL wtr. Test RBP & csg to 1000# for 10 min.
- Run CBL.
- Perf Upper Delaware 2900-2925 3 spg, 76 holes. Pkr @ 2890 and acidize w/ 1000 gal 7½% NeFe. Swab back load. Frac if needed.
- Move RBP to 2890 w/ 10' sand.
- Perf Upper Delaware 2868-2878 3 spf, 31 holes. PKR @ 2750. Acidize w/ 1000 gal 7½% NeFe. Swab back load. Frac if needed.
- Retrieve RBP. TIH w/ tbg and BHA for pump. EOT @ 4794. Return to production

RECEIVED

JAN 13 2011

NMOCD ARTESIA

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

Natalie Krueger

Signature

Title

Regulatory

Date

December 29, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by

Title

Date

Office

JAN 10 2011

/s/ Dustin Winkler

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.

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)

[Handwritten Signature]

Amoco Federal # 13
Upper Delaware Recompletion Procedure
API # 3001525810
760' FNL & 660' FEL
Section 28, T-26-S, R-29-E
Eddy County, New Mexico

Well Data:

KB	5' above GL
TD	5100'
PBTD	5065'
Casing	8 5/8" 24.1# @ 403'. Cmt'd w/ 475 sx. Circ Cmt. 5 1/2" 17# N-80 @ 5087'. Cmt'd w/ 480 sx. Stage Tool at 3025'
Tubing	2 7/8" 6.5#, J-55, 155 jts.
Perfs	Lower Delaware (4876' - 81', 4885'-88', 4892'-94', 4925'-49')

Procedure: Before RU Check Regulatory Status.

1. Hot oil tbg.
2. MIRU pulling unit. TOOH/Rods & pump. ND WH, NU BOP. TOOH w/ tbg, Laying down 65 jts tbg.
3. RIH W / (4.767 Drift) RB Bit and 5 1/2" Scraper on 2 7/8" Tubing to 3600'. TOOH W/ Bit, Scraper and Tubing.
4. RIH W/ 5 1/2" 5K RBP on tubing and set at 3500' with 10' of sand on top of RBP. Load CSG w/ 2% KCL Water. Test RBP & CSG to 1000 PSI for 10 min.
5. Run Wireline CBL from 3500 to 2400, or min log, holding 1000 psi on casing / 0 psi on repeat.
6. RIH W/ 3 1/8" perforating guns. Perforate Upper Delaware 2900-2925 W/3 SPF, 76 shots. Depth reference log Schlumberger Compensated Neutron/Formation Density Log dated Nov 3, 1987. RD wireline.
7. RIH W/ PKR & tbg, set PKR @ 2890', testing 2 7/8" tubing into hole to 7000 psi.
8. Acidize zone with 1000 Gals 7.5% NEFE. Record 15 min SIP's.

9. Swab back load and test zone. Record fluid entry and oil cuts.
10. If frac is needed, fracture stimulate interval per Stimulation Expert Design.
11. Flow well on. Report rates and cut to Midland. Wash sand and debris off RBP, and move RBP to 2890' with 10' of sand on top of RBP. TOOH.
12. RIH W/ $3\frac{1}{8}$ " perforating guns. Perforate Upper Delaware 2868-2878 W/3 SPF, 31 shots. Depth reference log Schlumberger Compensated Neutron/Formation Density Log dated Nov 3, 1987. RD wireline.
13. TIH W/PKR to 2750'. Acidize top zone with 1000 Gals 7.5% NEFE. Record 15 min SIP's.
14. Swab back load and test zone. Record fluid entry and oil cuts.
15. If frac is needed, fracture stimulate interval per Stimulation Expert Design.
16. Wash sand and debris off RBP, and Retrieve RBP @ 2890'.
17. RIH W/ Tbg and BHA for pumping. Set EOT @ 4794.

Amoco Federal No. 13

30-015-25810

28-26S-29E

760 FNL & 660 FEL

Spud Date 10.03.87

12¼" hole
8⅝" 24# to 403
475 sx

7⅞" hole
5½" 17# to 5087
480 sx, TOC unknown

U Delaware perfs 2900-2925, 2868-78; 31
holes **(PROPOSED)**

L Delaware perfs 4925-48, 4892-94, 4885-88
& 4876-81; 74 holes **(EXISTING)**

TD 5100

Cimarex Energy Company of Colorado
NM-38636: Amoco Federal #13
API: 30-015-25810
Eddy County, New Mexico

RE: Additional Perforations – Conditions of Approval

There is to be no surface disturbance beyond the originally approved pad. A closed loop system is to be used. H2S monitoring and protection equipment is to be on site.

2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

Submit subsequent report with well test once work is completed.

Approval is good for one year.

DHW 011011