

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

OCT 14 2009

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.

NMOCD ARTESIA

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 1580 FNL & 660 FWL 11-16S-29E

BHL 1997 FNL & 309 FEL

5. Lease Serial No.

NM-0556811

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

Nitro 11 Federal No. 1

9. API Well No.

30-015-34770

10. Field and Pool, or Exploratory Area

County Line Tank; Abo

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

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☒ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 Energy Co. of Colorado respectfully requests approval for disposal of produced water from the well above per the attached Water Production and Disposal information.

ACCEPTED FOR RECORD

OCT 12 2009
/s/ JD Whitlock Jr

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory

Date

September 30, 2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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)

WATER PRODUCTION & DISPOSAL INFORMATION

In order to process your disposal request, the following information must be completed:

1. Name(s) of all formation(s) producing water on this lease.
County Line Tank; Abo
2. Amount of water produced from all formations in barrels per day.
4.91 bpd
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, pH, and the concentrations of chlorides and sulfates.
4. How water is stored on the lease.
1 500 bbl tank
5. How water is moved to the disposal facility.
Trucked
6. Identify the disposal facility by:
 - A. Facility Operator's Name: Ray Westall
 - B. Name of facility or well name and number: Myrtle Myra SWD No. 1 and Belco No. 1
 - C. Type of facility or well (WDW, WIW), etc.: SWD
 - D. Location by ¼ ¼, Section, Township, and Range: NENW 21-21S-27E, SWNW 20-23S-28E
7. Attach a copy of the state-issued permit for the Disposal Facility.

Submit 1 original and 5 copies within the required time frame with 3160-5. This form may be used as an attachment to the sundry notice.

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Analytical Laboratory Report for:
CIMAREX ENERGY COMPANY



Chemical Services

Account Representative:
Nailon, David

Production Water Analysis

Listed below please find water analysis report from: NITRO 11 FEDERAL #1, #1

Lab Test No: 2008104756 Sample Date: 01/23/2008
Specific Gravity: 1.052

TDS: 78445
pH: 6.58

Cations:	mg/L	as:
Calcium	6061	(Ca ⁺⁺)
Magnesium	1729	(Mg ⁺⁺)
Sodium	17710	(Na ⁺)
Iron	36.30	(Fe ⁺⁺)
Potassium	2785.0	(K ⁺)
Barium	0.35	(Ba ⁺⁺)
Strontium	70.80	(Sr ⁺⁺)
Manganese	0.64	(Mn ⁺⁺)
Anions:	mg/L	as:
Bicarbonate	952	(HCO ₃ ⁻)
Sulfate	2300	(SO ₄ ⁼)
Chloride	46800	(Cl ⁻)
Gases:		
Carbon Dioxide	410	(CO ₂)
Hydrogen Sulfide	120	(H ₂ S)
Oxygen	4.1	(O ₂) ppm