

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM 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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0556811
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-560-7038		8. Well Name and No. NITRO 11 FEDERAL 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T16S R29E 1580FNL 660FWL		9. API Well No. 30-015-34770
		10. Field and Pool, or Exploratory COUNTY LINE TANK ABO
		11. County or Parish, and State EDDY COUNTY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input 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
	<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.)

H2S gas analysis for facility as requested

Accepted for record  
12/21/15  
NMOCD

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 18 2015

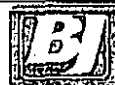
RECEIVED

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #273867 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFMSS for processing by LINDA DENNISTON on 01/13/2015 ( )	
Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/27/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By <i>James G. [Signature]</i>	Title <i>SAGT</i>
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.	Date <i>12-13-15</i>
Office <i>CFO</i>	
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.	

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



Analytical Laboratory Report for:  
**CIMAREX ENERGY COMPANY**



Chemical Services

Account Representative:  
Nallon, David

## Production Water Analysis

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

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