

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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. NMNM4314
2. Name of Operator CIMAREX ENERGY COMPANY <input checked="" type="checkbox"/> Contact: CRISTEN BURDELL E-Mail: cburdell@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7038	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T19S R34E 1650FNL 1340FEL <input checked="" type="checkbox"/>		8. Well Name and No. PIPELINE DEEP 5 FED 3 <input checked="" type="checkbox"/>
		9. API Well No. 30-025-37196 <input checked="" type="checkbox"/>
		10. Field and Pool, or Exploratory DHC E-K; BONESPRING; LR; WC
		11. County or Parish, and State LEA 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 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.)

H2S gas analysis for facility as requested

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

**Electronic Submission #273862 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 05/04/2015 ()**

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

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 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 \*\***

MAY 06 2016

Analytical Laboratory Report for:

Cimarex



Chemical Services

Account Representative:

Lavell Hanson

## Production Water Analysis

Listed below please find water analysis report from: Pipeline Deep, #5-3

Pipeline Deep 5 Fed 3

Lab Test No: 2007127507

Sample Date:

06/20/2007

Specific Gravity: 1.096

TDS: 146115

pH: 7.10

Resistivity: .135 @ 68 Deg/F ohms/M

Cations:	mg/L	as:
Calcium	5387	(Ca <sup>++</sup> )
Magnesium	824	(Mg <sup>++</sup> )
Sodium	47209	(Na <sup>+</sup> )
Iron	694.00	(Fe <sup>++</sup> )
Potassium	4587.0	(K <sup>+</sup> )
Barium	1.00	(Ba <sup>++</sup> )
Strontium	201.00	(Sr <sup>++</sup> )
Manganese	2.80	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	146	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	1650	(SO <sub>4</sub> <sup>=</sup> )
Chloride	90000	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide	170	(CO <sub>2</sub> )
Hydrogen Sulfide	17	(H <sub>2</sub> S)