

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. NMLC060329
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. HT 18 FED 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R32E NWNW 2410FSL 330FWL	9. API Well No. 30-025-40252
	10. Field and Pool, or Exploratory MALJAMAR; YESO-WEST
	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

*H2S Exceeds 100 PPM H2S. Submit RDE.*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #273985 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

Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By <i>James A. Amos</i>	Title SP6T	Date 4-10-16
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 CRO		

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



# LABORATORY SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy  
Attention: Mark Cummings  
600 N. Mariefeld, Suite 600  
Midland, Texas 79701

Sample: Sta. # NCW9431024  
Identification: HT 18 Fed. 4 Sales  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 2/7/2014 11:20 AM  
Analysis Date 2/10/2014  
Pressure-PSIA 51  
Sample Temp F 46  
Atmos Temp F  
Sampled by: Taylor Ridings  
Analysis by: Vicki McDaniel

H<sub>2</sub>S = 4,000 PPM

## Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H <sub>2</sub> S	0.400	
Nitrogen	N <sub>2</sub>	3.133	
Carbon Dioxide	CO <sub>2</sub>	1.811	
Methane	C <sub>1</sub>	74.155	
Ethane	C <sub>2</sub>	10.867	2.899
Propane	C <sub>3</sub>	5.290	1.454
I-Butane	IC <sub>4</sub>	0.664	0.217
N-Butane	NC <sub>4</sub>	1.881	0.592
I-Pentane	IC <sub>5</sub>	0.790	0.288
N-Pentane	NC <sub>5</sub>	0.535	0.193
Hexanes Plus	C <sub>6</sub> +	0.474	0.205
		100.000	5.847

*4000 PPM*

## REAL BTU/CU.FT.

At 14.65 DRY	1238.0
At 14.65 WET	1216.4
At 14.696 DRY	1241.9
At 14.696 WET	1220.7
At 14.73 DRY	1244.7
At 14.73 Wet	1223.2

## Specific Gravity

Calculated 0.7659

## Molecular Weight

22.1839