

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

5. Lease Serial No.  
NMLC060329

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.  
HT FED 1

9. API Well No.  
30-025-39974

10. Field and Pool, or Exploratory  
MALJAMAR

11. County or Parish, and State  
LEA COUNTY COUNTY, NM

1. Type of Well  Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY COMPANY  Contact: CRISTEN BURDELL  
E-Mail: cburdell@cimarex.com

3a. Address  
202 S. CHEYENNE AVE STE 1000  
TULSA, OK 74103

3b. Phone No. (include area code)  
Ph: 918-560-7038

**HOBBS OCD**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 18 T17S R32E SWSW 780FSL 575FWL

APR 18 2016

**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 recomplete 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 recompletion 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. Submit RDE*

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

**Electronic Submission #273931 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 *James R. Conner* Title *SAET* 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 *LFO*

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

*dy*



Laboratory Services, Inc.  
2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (575) 397-3713

FOR: Cimarex Energy  
Attention: Terry Ainsworth  
600 N. Marienfeld, Suite 600  
Midland, Texas 79701

SAMPLE: Sta. # 05025036  
IDENTIFICATION HT Fed. #1  
COMPANY: Cimarex Energy  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED: 3/23/11  
ANALYSIS DATE: 3/29/11  
PRESSURE - PSIA 38.3  
SAMPLE TEMP. °F 93.3  
ATMOS. TEMP. °F

GAS (XX) LIQUID ( )  
SAMPLED BY: Morgan Vrana  
ANALYSIS BY: Vicki McDaniel

REMARKS: H2S = 18,000 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		1.800 / 18,000	
Nitrogen (N2)		2.630	
Carbon Dioxide (CO2)		1.924	
Methane (C1)		68.871	
Ethane (C2)		12.244	3.267
Propane (C3)		6.937	1.907
I-Butane (IC4)		0.930	0.304
N-Butane (NC4)		2.321	0.730
I-Pentane (IC5)		0.617	0.225
N-Pentane (NC5)		0.634	0.229
Hexane Plus (C6+)		1.092	0.474
		100.000	7.136
BTU/CU.FT. - DRY	1312		MOLECULAR WT. 23.7181
AT 14.650 DRY	1308		
AT 14.650 WET	1285		
AT 14.73 DRY	1315		
AT 14.73 WET	1292		
SPECIFIC GRAVITY -			
CALCULATED	0.823		
MEASURED			