

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.*5. Lease Serial No.  
NMNM40276

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NMNM72609X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

NORTH MADURO UNIT 5 /

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: CRISTEN BURDELL

Mail: cburdell@cimarex.com

9. API Well No.

30-025-40187-00-S1

3a. Address

600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 918-560-7038

10. Field and Pool, or Exploratory

TONTON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 20 T19S R33E SESE 660FSL 330FEL  
32.640325 N Lat, 103.677781 W Lon /

11. County or Parish, and State

LEA 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 recomple 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

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

**Electronic Submission #273827 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 01/30/2015 (15LJ0618SE)**

Name (Printed/Typed) CRISTEN BURDELL

Title REGULATORY

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*****Accepted for Record Only**

MJB/CD 12/21/2015 DEC 22 2015

dm



# Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (575) 397-3713

FOR: Cimarex Energy  
Attention: Mark Bishop  
800 N. Marlenfeld, Suite 600  
Midland, Texas 79701

SAMPLE: IDENTIFICATION N. Maduro Unit #5 H  
COMPANY: Cimarex Energy  
LEASE: *Maduro North Federal 5H*  
PLANT:

SAMPLE DATA: DATE SAMPLED: 1/18/12 12:45 pm  
ANALYSIS DATE: 1/19/12  
PRESSURE - PSIA 50.2  
SAMPLE TEMP. °F 71.6  
ATMOS. TEMP. °F 65

GAS (XX) LIQUID ( )  
SAMPLED BY: Mark Bishop  
ANALYSIS BY: Vickie Sullivan

REMARKS: H2S = 0

## COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	3.990	
Carbon Dioxide (CO2)	0.255	
Methane (C1)	70.411	
Ethane (C2)	12.762	3.405
Propane (C3)	7.665	2.107
i-Butane (IC4)	0.825	0.269
n-Butane (NC4)	2.187	0.688
i-Pentane (IC5)	0.511	0.187
n-Pentane (NC5)	0.505	0.182
Hexane Plus (C6+)	0.889	0.386
	100.000	7.224

BTU/CU.FT. - DRY 1317  
AT 14.650 DRY 1312  
AT 14.650 WET 1290  
AT 14.73 DRY 1320  
AT 14.73 WET 1297

MOLECULAR WT. 22.9913

SPECIFIC GRAVITY -  
CALCULATED 0.797  
MEASURED