

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.  
NMNM2951

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.  
NMNM119156

8. Well Name and No.  
NEW SHERIFF 10 FED COM 01 ✓

9. API Well No.  
30-025-38055-00-S1 ✓

10. Field and Pool, or Exploratory  
TEAS

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

1. Type of Well ✓  
 Oil Well  Gas Well  Other

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

3a. Address  
600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 79701

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 10 T20S R33E SESE 330FSL 280FEL /

**HOBBS OCD**

**APR 18 2016**

**RECEIVED**

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 recomplate 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 #273868 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 05/04/2015 (15LJ1021SE)**

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 A. Cross*

Title SPET

4-10-16  
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 CFO

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 \*\***

MAY 06 2016

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# LABORATORY SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

*New Sherriff 10 Fed Com 1*

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

Sample: Sta. # Nsherriff  
Identification: New Sherriff 10 FC  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 1/21/2013  
Analysis Date 1/22/2013  
Pressure-PSIA 426  
Sample Temp F 55  
Atmos Temp F 56

Sampled by: Logan McIlroy  
Analysis by: Vicki McDaniel

H2S = 2 PPM

### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	<del>0.433</del>	
Nitrogen	N2	0.433	
Carbon Dioxide	CO2	0.636	
Methane	C1	84.791	
Ethane	C2	8.093	2.159
Propane	C3	3.599	0.989
I-Butane	IC4	0.556	0.181
N-Butane	NC4	0.989	0.311
I-Pentane	IC5	0.321	0.117
N-Pentane	NC5	0.268	0.097
Hexanes Plus	C6+	<u>0.314</u>	<u>0.136</u>
		100.000	3.990

### REAL BTU/CU.FT.

At 14.65 DRY	1180.2
At 14.65 WET	1159.6
At 14.696 DRY	1183.9
At 14.696 WET	1163.7
At 14.73 DRY	1186.6
At 14.73 Wet	1166.1

### Specific Gravity

Calculated 0.6781

Molecular Weight 19.6398