

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.
NMNM28880

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.
LYNCH 23 FED 2H ✓

9. API Well No.
30-025-40123 ✓

10. Field and Pool, or Exploratory
LEA; BONE SPRING, SOUTH

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 23 T20S R34E 330FNL 660FEL ✓

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 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 #273896 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 R. Jones</i>	Title <i>SPECT</i>	Date <i>4-10-16</i>
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 <i>CEO</i>	

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 ****

[Handwritten signatures and initials]



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (575) 397-3713

FOR: Cimarex Energy
Attention: John Osborne
2020 W. Bender
Hobbs, New Mexico 88240

SAMPLE: Meter Run
IDENTIFICATION Lynch 23 Fed #24
COMPANY: Cimarex Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 10/31/11 1:53 pm
ANALYSIS DATE: 11/1/11
PRESSURE - PSIA 32.7
SAMPLE TEMP. °F 84
ATMOS. TEMP. °F 73

GAS (XX) LIQUID ()
SAMPLED BY: Dustin Armstrong
ANALYSIS BY: Vickie Sullivan

REMARKS: H2S = 100 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		0.010	<i>100 PPM</i>
Nitrogen (N2)		2.487	
Carbon Dioxide (CO2)		0.999	
Methane (C1)		64.553	
Ethane (C2)		16.740	4.466
Propane (C3)		9.623	2.645
I-Butane (IC4)		1.061	0.346
N-Butane (NC4)		2.697	0.848
I-Pentane (IC5)		0.502	0.183
N-Pentane (NC5)		0.554	0.200
Hexane Plus (C6+)		<u>0.774</u>	<u>0.336</u>
		100.000	9.024

BTU/CU.FT. - DRY 1399
AT 14.650 DRY 1394
AT 14.650 WET 1370
AT 14.73 DRY 1402
AT 14.73 WET 1378

MOLECULAR WT. 24.3847

SPECIFIC GRAVITY -
CALCULATED 0.846
MEASURED