

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.
NMNM124663

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.
NMNM127960

8. Well Name and No.
LYNCH 23 FEDERAL COM 4

9. API Well No.
30-025-40726-00-S1

10. Field and Pool, or Exploratory
LEA

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 3b. Phone No. (include area code)
600 NORTH MARIENFELD STREET, SUITE 600 Ph: 918-560-7038
MIDLAND, TX 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T20S R34E NWNE 326FNL 1727FEL

HOBBS OCD

APR 18 2016

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

RECEIVED

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 recomple 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 ROE.

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

**Electronic Submission #300284 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 05/07/2015 (15LJ1232SE)**

Name (Printed/Typed) CRISTEN BURDELL Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/04/2015

Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By *James A. Coates* Title *SP&T* 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 *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

[Handwritten initials]



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. Marienfeld, Suite 600
Midland, Texas 79701

Sample: Sta. # NCW1471080
Identification: Lynch 23 Fed. # 4
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 1/9/2013
Analysis Date 1/10/2013
Pressure-PSIA 42.5
Sample Temp F 55.2
Atmos Temp F 41

Sampled by: Dustin Armstrong
Analysis by: Vicki McDaniel

H2S = 200 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.020	
Nitrogen	N2	2.400	
Carbon Dioxide	CO2	8.033	
Methane	C1	64.993	
Ethane	C2	12.487	3.331
Propane	C3	7.317	2.011
I-Butane	IC4	0.867	0.283
N-Butane	NC4	2.084	0.655
I-Pentane	IC5	0.447	0.163
N-Pentane	NC5	0.511	0.185
Hexanes Plus	C6+	0.841	0.365
		100.000	6.992

200 PPM

REAL BTU/CU.FT.
At 14.65 DRY 1241.0
At 14.65 WET 1219.4
At 14.696 DRY 1244.9
At 14.696 WET 1223.7
At 14.73 DRY 1247.8
At 14.73 Wet 1226.2

Specific Gravity
Calculated 0.8567

Molecular Weight 24.8131