

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNMOCD  
ArtesiaFORM 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.  
NMNM96835

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.  
NMNM134953

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
LIBERTY 24 FED COM 4H

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: RHONDA SHELTON

E-Mail: rsheldon@cimarex.com

9. API Well No.

30-015-42262-00-S1

3a. Address

202 S CHEYENNE AVE SUITE 1000  
TULSA, OK 74103.4346

3b. Phone No. (include area code)

Ph: 918-295-1709

10. Field and Pool, or Exploratory  
WILDCAT

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

Sec 24 T25S R26E NWNW 330FNL 660FWL  
32.071845 N Lat, 104.151012 W Lon

11. County or Parish, and State

EDDY 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 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.)

PLEASE SEE THE ATTACHMENT FOR THE ANALYSIS FOR THIS FACILITY.

NOTE: NO H2S

NM OIL CONSERVATION  
ARTESIA DISTRICT

APR 26 2016

RECEIVED

Accepted for Record  
NMOCD

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

Electronic Submission #330970 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/18/2016 (16JAS1461SE)

Name (Printed/Typed) RHONDA SHELTON

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 02/08/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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 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 \*\*



**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. Marientfeld, Suite 600  
Midland, Texas 79701

Sample: Sta. # NCW9775188  
Identification: Liberty 24-4  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 10/29/2014 11:15 AM  
Analysis Date 11/3/2014  
Pressure-PSIA 886.7  
Sample Temp F 83.3  
Atmos Temp F 80

Sampled by: T. Lewis  
Analysis by: Vicki McDaniel

H2S = 0

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.000	
Nitrogen	N2	1.143	
Carbon Dioxide	CO2	0.758	
Methane	C1	71.742	
Ethane	C2	13.768	3.673
Propane	C3	7.971	2.190
I-Butane	IC4	1.008	0.329
N-Butane	NC4	2.498	0.786
I-Pentane	IC5	0.433	0.158
N-Pentane	NC5	0.438	0.158
Hexanes Plus	C6+	0.241	0.104
		100.000	7.398

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1331.8	Calculated	0.7841
At 14.65 WET	1308.5		
At 14.696 DRY	1335.9		
At 14.696 WET	1313.2	Molecular Weight	22.7085
At 14.73 DRY	1339.0		
At 14.73 Wet	1315.9		

Test Method GPA 2261-95

Calculations based on GPA 2145-09