

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.  
NMNMO1085

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.  
IRWIN 23-14 FED 1H9. API Well No.  
30-015-3989110. Field and Pool, or Exploratory  
BONE SPRINGS11. County or Parish, and State  
EDDY COUNTY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
CIMAREX ENERGY COMPANYContact: CRISTEN BURDELL  
E-Mail: cburdell@cimarex.com3a. Address  
202 S. CHEYENNE AVE STE 1000  
TULSA, OK 741033b. Phone No. (include area code)  
Ph: 918-560-70384. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 23 T19S R30E 1300FNL 695FWL**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

## TYPE OF SUBMISSION

## TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other

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

**NM OIL CONSERVATION**

ARTESIA DISTRICT

APR 18 2016

RECEIVED

Accepted for Record  
NMOCD 4/19/16  
AB

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

Electronic Submission #273937 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by LINDA DENNISTON on 01/13/2015 ()

Name (Printed/Typed) CRISTEN BURDELL

Title REGULATORY ANALYST

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



**VAPORATION 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. # 309715093  
Identification: Irwin 23-14 Fed. 1H  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 4/18/2013 8:00 AM  
Analysis Date 4/19/2013  
Pressure-PSIA 71  
Sample Temp F 64  
Atmos Temp F 48

Sampled by: J. Stevens/Gas Meas.  
Analysis by: Vicki McDaniel

H2S = 0 PPM

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.000	
Nitrogen	N2	2.585	
Carbon Dioxide	CO2	0.128	
Methane	C1	74.550	
Ethane	C2	12.121	3.233
Propane	C3	6.138	1.687
I-Butane	IC4	0.760	0.248
N-Butane	NC4	1.849	0.581
I-Pentane	IC5	0.442	0.161
N-Pentane	NC5	0.507	0.183
Hexanes Plus	C6+	0.920	0.398
		100.000	6.492

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1293.2	Calculated	0.7648
At 14.65 WET	1270.6		
At 14.696 DRY	1297.2		
At 14.696 WET	1275.1	Molecular Weight	22.1498
At 14.73 DRY	1300.2		
At 14.73 Wet	1277.8		