

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.  
NMNM14468

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
GRYNBERG 11 FED COM 39. API Well No.  
30-015-34193-00-S310. Field and Pool, or Exploratory  
BLACK RIVER-DELAWARE  
WHITE CITY-PENN11. County or Parish, and State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact: CRISTEN BURDELL  
E-Mail: cburdell@cimarex.com

## 3a. Address

202 S CHEYENNE AVE SUITE 1000  
TULSA, OK 74103.4346

## 3b. Phone No. (include area code)

Ph: 918-560-7038

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

Sec 11 T25S R26E NWSW 1500FSL 1300FWL

## 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

NM OIL CONSERVATION  
ARTESIA DISTRICT

OCT 14 2015

RECEIVED

URD 10/14/2015  
Accepted for record  
NMOCD

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

Electronic Submission #273998 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by MARISSA KLEIN on 06/29/2015 (15MGK0207SE)

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 **ACCEPTED**DAVID R GLASS  
Title PETROLEUM ENGINEER

Date 10/01/2015

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 Carlsbad

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 \*\***



**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. # 309588231  
Identification: Grynberg 11 Fed. Com. # 4  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 7/25/2013 1:33 PM  
Analysis Date 7/26/2013  
Pressure-PSIA 62  
Sample Temp F 101  
Atmos Temp F

Sampled by: Taylor Ridings  
Analysis by: Vicki McDaniel

H2S = 5.5 PPM

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.001	
Nitrogen	N2	0.575	
Carbon Dioxide	CO2	0.720	
Methane	C1	96.988	
Ethane	C2	1.379	0.368
Propane	C3	0.186	0.051
I-Butane	IC4	0.029	0.009
N-Butane	NC4	0.031	0.010
I-Pentane	IC5	0.008	0.003
N-Pentane	NC5	0.008	0.003
Hexanes Plus	C6+	<u>0.075</u>	<u>0.032</u>
		100.000	0.476

#### REAL BTU/CU.FT.

At 14.65 DRY	1014.1
At 14.65 WET	996.4
At 14.696 DRY	1017.2
At 14.696 WET	999.8
At 14.73 DRY	1019.6
At 14.73 Wet	1002.0

#### Specific Gravity

Calculated 0.5749

#### Molecular Weight

16.6505