

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.  
NMNM7752

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
MERAK 7 FED 69. API Well No.  
30-015-4061210. Field and Pool, or Exploratory  
LOCO HILLS11. County or Parish, and State  
EDDY COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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: 918-560-7038

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

Sec 7 T17S R30E SWSE 990FSL 2395FEL

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

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <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

APR 18 2016

RECEIVED

Accepted for Record  
NMACD A/K/11/16  
APD*Has Exceeds 100 PPM. Submit ROE*

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

Electronic Submission #273936 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

*James D. Conner*

Title

SPET

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

CFD

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 \*\***



**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: Casing  
Identification: Merak 7 Fed. 6  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 6/10/2014 12:06 PM  
Analysis Date 6/11/2014  
Pressure-PSIA  
Sample Temp F  
Atmos Temp F

Sampled by: T. Ridings  
Analysis by: Vicki McDaniel

H2S = 400 PPM

#### Component Analysis

|                  |     | Mol<br>Percent | GPM   |
|------------------|-----|----------------|-------|
| Hydrogen Sulfide | H2S | 0.040          |       |
| Nitrogen         | N2  | 3.099          |       |
| Carbon Dioxide   | CO2 | 0.649          |       |
| Methane          | C1  | 76.046         |       |
| Ethane           | C2  | 11.493         | 3.066 |
| Propane          | C3  | 5.279          | 1.451 |
| I-Butane         | IC4 | 0.547          | 0.178 |
| N-Butane         | NC4 | 1.301          | 0.409 |
| I-Pentane        | IC5 | 0.333          | 0.121 |
| N-Pentane        | NC5 | 0.360          | 0.130 |
| Hexanes Plus     | C6+ | 0.853          | 0.369 |
|                  |     | 100.000        | 5.725 |

*400 PPM*

|                 |        |                  |         |
|-----------------|--------|------------------|---------|
| REAL BTU/CU.FT. |        | Specific Gravity |         |
| At 14.65 DRY    | 1236.9 | Calculated       | 0.7430  |
| At 14.65 WET    | 1215.3 |                  |         |
| At 14.696 DRY   | 1240.8 |                  |         |
| At 14.696 WET   | 1219.6 | Molecular Weight | 21.5201 |
| At 14.73 DRY    | 1243.6 |                  |         |
| At 14.73 Wet    | 1222.2 |                  |         |