

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.
NMNM94839

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
COTTONWOOD DRAW 22 FED COM 59. API Well No.
30-015-37431-00-S110. Field and Pool, or Exploratory
WILDCAT11. 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

Contact: CRISTEN BURDELL

CIMAREX ENERGY COMPANY OF CO-Mail: cburdell@cimarex.com

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 918-560-7038

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

Sec 22 T25S R26E NENE 530FNL 210FEL

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 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

DEC 18 2015

RECEIVED

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

Electronic Submission #273984 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 (15MGK0208SE)

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.

**** 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. # MARQ12-2
Identification: Marquardt 12 Penn Fed. 2
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 6/17/2014 1:30 PM
Analysis Date 6/23/2014
Pressure-PSIA 860
Sample Temp F 116.9
Atmos Temp F 101

Sampled by: C. Evans
Analysis by: Vicki McDaniel

H2S = 0.7 PPM

Component Analysis

| | | Mol Percent | GPM |
|------------------|-----|----------------|-------|
| Hydrogen Sulfide | H2S | | |
| Nitrogen | N2 | 0.642 | |
| Carbon Dioxide | CO2 | 0.142 | |
| Methane | C1 | 83.582 | |
| Ethane | C2 | 9.091 | 2.425 |
| Propane | C3 | 3.385 | 0.930 |
| I-Butane | IC4 | 0.564 | 0.184 |
| N-Butane | NC4 | 1.005 | 0.316 |
| I-Pentane | IC5 | 0.340 | 0.124 |
| N-Pentane | NC5 | 0.433 | 0.157 |
| Hexanes Plus | C6+ | 0.816 | 0.353 |
| | | 100.000 | 4.489 |

| | | | |
|-----------------|--------|------------------|---------|
| REAL BTU/CU.FT. | | Specific Gravity | |
| At 14.65 DRY | 1214.4 | Calculated | 0.6942 |
| At 14.65 WET | 1193.2 | | |
| At 14.696 DRY | 1218.2 | | |
| At 14.696 WET | 1197.4 | Molecular Weight | 20.1073 |
| At 14.73 DRY | 1221.0 | | |
| At 14.73 Wet | 1199.9 | | |