

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|--|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM19423 |
| 2. Name of Operator CIMAREX ENERGY COMPANY | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103 | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3b. Phone No. (include area code) Ph: 918-560-7038 | | 8. Well Name and No. WHITE CITY 14 FEDERAL 4 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T25S R26E 660FSL 330FEL | | 9. API Well No. 30-015-36336 |
| | | 10. Field and Pool, or Exploratory SULPHATE; DELAWARE |
| | | 11. County or Parish, and State EDDY COUNTY 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.)

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 #273830 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 |

| | | |
|---|--------------------|----------------------|
| Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE | | |
| Approved By <i>James G. Carr</i> | Title <i>STATE</i> | Date <i>12-13-15</i> |
| 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 <i>100</i> |

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, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (575) 397-3713

White City 14 Fed 4

FOR: Cimarex Energy
Attention: Terry Ainsworth
600 N. Marienfeld, Suite 600
Midland, Texas 79701

SAMPLE: Sta. #WC14-4
IDENTIFICATION White City 14-4
COMPANY: Cimarex Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 4/28/11 11:27 am
ANALYSIS DATE: 5/2/11
PRESSURE - PSIG 154.4
SAMPLE TEMP. °F 102
ATMOS. TEMP. °F 78

GAS (XX) LIQUID ()
SAMPLED BY: D. Stevens
ANALYSIS BY: Vickie Sullivan

REMARKS: H2S = 12,000 PPM

COMPONENT ANALYSIS

| COMPONENT | MOL PERCENT | GPM |
|------------------------|----------------|-------|
| Hydrogen Sulfide (H2S) | 1.200 | |
| Nitrogen (N2) | 8.612 | |
| Carbon Dioxide (CO2) | 0.000 | |
| Methane (C1) | 59.961 | |
| Ethane (C2) | 17.325 | 4.622 |
| Propane (C3) | 8.378 | 2.303 |
| I-Butane (IC4) | 0.871 | 0.284 |
| N-Butane (NC4) | 2.096 | 0.659 |
| I-Pentane (IC5) | 0.487 | 0.178 |
| N-Pentane (NC5) | 0.501 | 0.181 |
| Hexane Plus (C6+) | 0.669 | 0.247 |
| | 100.000 | 8.474 |

BTU/CU.FT. - DRY 1287
AT 14.650 DRY 1293
AT 14.650 WET 1270
AT 14.73 DRY 1300
AT 14.73 WET 1278

MOLECULAR WT. 24.2709

SPECIFIC GRAVITY -
CALCULATED 0.840
MEASURED