

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM056376

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MESCALERO 30 FED 29. API Well No.
30-025-3604010. Field and Pool, or Exploratory
GEM;STRAWN&APACHE;BONESPR11. County or Parish, and State
LEA 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 COMPANY
Contact: 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 30 T19S R34E SWNE 1200FSL 1980FWL

APR 18 2016

RECEIVED

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

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

Electronic Submission #273858 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 05/04/2015 ()

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

SAET

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

CFO

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 ****

MAY 06 2016

**CAPITAN CHEMICAL
WATER ANALYSIS REPORT**

Lease Name : Cimarex
Well Number : Mescalero 30 Fed #2
Location : Lea County, N.M.

Date Sampled : 07/18/06
Capitan Rep. : S Seed
Company Rep. : C Johnson

ANALYSIS

| | | |
|-----------------------------------|--------|------------------------------------|
| 1. pH | 6.79 | |
| 2. Specific Gravity @ 60/60 F. | 1.049 | |
| 3. CaCO3 Saturation Index @ 80 F. | +0.310 | 'Calcium Carbonate Scale Possible' |
| @ 140 F. | +1.240 | 'Calcium Carbonate Scale Possible' |

Dissolved Gasses

| | | |
|---------------------|----------------|-----|
| 4. Hydrogen Sulfide | 0 | PPM |
| 5. Carbon Dioxide | 251 | PPM |
| 6. Dissolved Oxygen | Not Determined | |

| Cations | mg/L | / | Eq. Wt. | = | MEQ/L |
|----------------------------|----------------|---|---------|---|----------|
| 7. Calcium (Ca++) | 2,200 | / | 20.1 | = | 109.45 |
| 8. Magnesium (Mg++) | 790 | / | 12.2 | = | 64.73 |
| 9. Sodium (Na+) Calculated | 25,301 | / | 23.0 | = | 1,100.04 |
| 10. Barium (Ba++) | Not Determined | / | 68.7 | = | 0.00 |

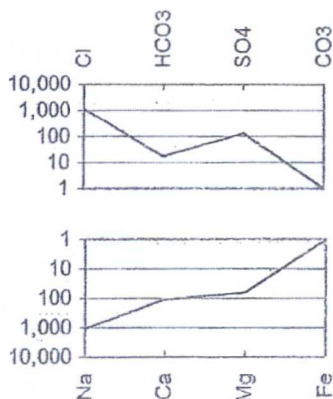
Anions

| | | | | | |
|-------------------------|--------|---|------|---|----------|
| 11. Hydroxyl (OH-) | 0 | / | 17.0 | = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / | 30.0 | = | 0.00 |
| 13. Bicarbonate (HCO3-) | 1,035 | / | 61.1 | = | 16.93 |
| 14. Sulfate (SO4=) | 6,370 | / | 48.8 | = | 130.54 |
| 15. Chloride (Cl-) | 40,000 | / | 35.5 | = | 1,126.76 |

Other

| | | | | | |
|------------------------------------|--------|------------|------|-------------|----------------------------------|
| 16. Soluble Iron (Fe) | 15 | / | 18.2 | = | 0.82 |
| 17. Total Dissolved Solids | 75,696 | | | | |
| 18. Total Hardness As CaCO3 | 8,750 | | | | |
| Calcium Sulfate Solubility @ 90 F. | 5,802 | | | | 'Calcium Sulfate Scale Possible' |
| 20. Resistivity (Measured) | 0.110 | Ohm/Meters | @ 79 | Degrees (F) | |

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

| COMPOUND | Eq. Wt. | X | MEQ/L | = | mg/L |
|-----------|---------|---|----------|---|--------|
| Ca(HCO3)2 | 81.04 | X | 16.93 | = | 1,372 |
| CaSO4 | 68.07 | X | 92.52 | = | 6,298 |
| CaCl2 | 55.50 | X | 0.00 | = | 0 |
| Mg(HCO3)2 | 73.17 | X | 0.00 | = | 0 |
| MgSO4 | 60.19 | X | 38.02 | = | 2,288 |
| MgCl2 | 47.62 | X | 26.72 | = | 1,272 |
| NaHCO3 | 84.00 | X | 0.00 | = | 0 |
| NaSO4 | 71.03 | X | 0.00 | = | 0 |
| NaCl | 58.46 | X | 1,100.04 | = | 64,309 |