

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Hobbs
HOBBSS OCDFORM 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.

NOV 10 2014

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

RECEIVED

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM26394 |
| 2. Name of Operator CIMAREX ENERGY COMPANY OF CO | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 600 NORTH MARIENFELD STREET, SUITE 600 MIDLAND, TX 79701 | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3b. Phone No. (include area code) Ph: 918.295.1763 | | 8. Well Name and No. CASCADE 29 FEDERAL 7H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T25S R33E NENE 340FNL 864FEL 32.107891 N Lat, 103.588560 W Lon | | 9. API Well No. 30-025-42031-00-X1. |
| | | 10. Field and Pool, or Exploratory WILDCAT |
| | | 11. County or Parish, and State LEA COUNTY, NM |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" 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 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 | Change to Original A |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | PD |

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 recompletion 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.)

Cimarex Energy Co. respectfully request the BLM to make the following changes to the Cascade 29 Fed 7H well to avoid running a DV tool for a 2 stage job and changing the lead to a lighter slurry to better the chances to tying back cement to the previous casing on the 5.5' production casing cement job.

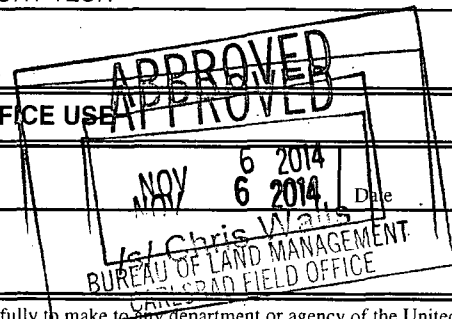
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Approved:

Stage #1 Lead = 320 sx of 35:65 Poz/H+3%D20+1.2%D079+0.7%D112+0.2%D046+0.1%D065+0.6%D800+0.09%D208
Density= 11.90 ppg Yield = 2.33 cuft/sk. TOC @ 7000' (DV Tool)

Stage #1 Tail = 1,170 sx of 50:50 Poz/H + 0.2% D046+0.3%D167+0.1%D065+0.06%D208. Density = 14.50
ppg Yield = 1.3 cuft/sk TOT = 9,000'.

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #274148 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 10/29/2014 (15CRW0018SE) | |
| Name (Printed/Typed) HOPE KNAULS | Title REGULATORY TECH |
| Signature (Electronic Submission) | Date 10/27/2014 |
| THIS SPACE FOR FEDERAL OR STATE OFFICE USE | |
| Approved By _____ | Title _____ |
| 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 **

NOV 10 2014

Additional data for EC transaction #274148 that would not fit on the form

32. Additional remarks, continued

Stage #2 = 610 sx of 35:65 Poz/H+3%D20+1.2%D079+0.7%D112+0.2%D046+0.1%D065+0.6%D800+0.09%D208
Density = 11.90 ppg Yield = 2.33 cuft/sk. TOC @ 4,720'. 9-5/8" intermediate casing shoe set at 4,942'.

Proposed:

Lead OH volume with 25% OH excess = 1300 cuft. Cased hole volume = 52 cuft Total Cuft = 1352'

TOC Lead = 4,742' 500 sacks. Tuned Light System IV 0.125 lb/sk Pol-E-Flake + 0.05 lb/sk HR-800
Mixed at 10.8 ppg @ surface. Downhole due to crushing becomes 11 ppg with a 2.73 yield

Tail OH volume with 25% OH Excess = 1,540 cuft.
1,250 sacks. Hobbs ? 14.5ppg VersaCem - H + 0.5 % BWOC HALAD-344 (PB) + 0.3% HALAD 322 + 1lb/sk
NaCl (Sodium Chloride) Salt. 1.23 yd

Conditions of Approval

1. The minimum required fill of cement behind the 5-1/2 inch production casing is:

- ☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification. **Additional cement may be required, as the excess calculates to 20%.**