

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. NMNM114978 |
| 2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701 | 3b. Phone No. (include area code) Ph: 432-620-1964 | 7. If Unit or CA/Agreement, Name and/or No. |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T23S R30E SESE 165FSL 250FEL 32.170122 N Lat, 103.503761 W Lon | | 8. Well Name and No. SANDY FEDERAL 23H |
| | | 9. API Well No. 30-015-41793-00-X1 |
| | | 10. Field and Pool, or Exploratory WILDCAT |
| | | 11. County or Parish, and State EDDY 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 APD |
| | <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 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 respectfully requests the following changes to the APD:

Approved:
BHL UL: H of 24-23S-30E, 2310' FNL & 330' FEL
KOP 9422'
EOC 10173'
MD 15148'
TVD 9900'

Proposed:
BHL Move to UL: O of 25-23S-30E, 330 FSL & 330' FEL
KOP 9448'

Accepted for record
NMOC 16
7-15-14

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 14 2014

RECEIVED

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

Electronic Submission #252064 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by WESLEY INGRAM on 07/08/2014 (14WWWI0304SE)

Name (Printed/Typed) DEYSI FAVELA

Title DRILLING TECH

Signature (Electronic Submission)

Date 07/08/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By: WESLEY INGRAM

Title PETROLEUM ENGINEER

Date 07/08/2014

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 Carlsbad

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 ****

Additional data for EC transaction #252064 that would not fit on the form

32. Additional remarks, continued

EOC 10189'
MD 16452'
TVD 9870'

13-3/8" Casing Change/Surface casing cement-Casing shoe at 350'
Approved: 13-3/8" 48# H-40 STC set at 350'

40 sacks lead Class C + Bentonite + Calcium Chloride + LCM @ 13.5 ppg, 1.75 yld
200 sack tail Class C + LCM @ 14.8 ppg, 1.34 yld

Proposed: 13-3/8" 48# J-55 Hybrid ST&C at 350' (No change in setting depth) request for variance for Hybrid casing

255 sack tail class C + Calcium Chloride @ 14.8 ppg 1.34 yld

Reason: Lead volume is very small and it should be a logistically and economical advantage to pump a single cement slurry.

Approved 5-1/2", 17#, P110, LTC&BTC set @ 16571'

1069 sacks lead 35:65 Poz H + salt + Sodium Metasilicate + Bentonite + Fluid loss + Dispersant + LCM + Retarder @ 11.9 ppg, 2.40 yld
1591 sacks tail 50:50 Poz H + Bentonite + salt + Fluid loss + Dispersant + LCM + Retarder @ 14.5 ppg, 1.24 yld

Proposed: 5-1/2", 17#, P110, LTC & BTC set @ 16452'.
Prod cog cement will not change. TOC @ 0'.