

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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.*

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

NM-056376

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Mescalero 30 Federal No. 4

9. API Well No.

30-025-33813

10. Field and Pool, or Exploratory Area

DHC (see pools below)

11. County or Parish, State

Lea County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)

972-401-3111

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

G-30-19S-34E

1330' FNL & 1330' FEL

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

Add Strawn Perfs

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included 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.)

The Mescalero 20 Federal No. 4 is currently producing from two Downhole Commingled zones, the **Gem; Strawn, East** (12214'-12224') and the **Quail Ridge; Morrow (Gas)** (13227'-13334'). Cimarex is proposing the following operations:

Swab test Morrow perfs. If Morrow is no longer economical to produce, place a CIBP @ 13177' w/ 35' cement. If Morrow is still economical, place RBP and sand on it in order to test new Strawn perfs.

Perf Strawn 12238'-12254' 3 JSPF 48 holes.

Spot 500 gal 15% NeFe acid across all Strawn perfs. Isolate lower Strawn interval with RBP and packer and break down lower interval with 1500 gal 15% NeFe HCl w/ 72 ball sealers. Fracture treat according to plan devised at time of procedure.

Flow/Swab back to test production. Set packer @ 12150'.

Turn well to sales.

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

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Reg Analyst 1

Date

December 26, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

APPROVED

JAN 23 2007

WESLEY W. INGRAM
PETROLEUM ENGINEER

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.

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

GWW

CIMAREX ENERGY CORPORATION

Mescalero "30" Federal #4

Quail Ridge COMPLETION PROCEDURE September 29, 2006

OBJECTIVE:

Restore Morrow Production or Recomplete to Strawn

WELL DATA:

Elevation:	3667 GL; RKB = GL +19'
TD:	13700'
PBTD:	13621'
Casing:	13 3/8, 48#, H40, ST&C @ 498'. Cement Circulated 9 5/8" 43.5 & 47# N-80 8rd LTC @ 5205. Cement Circulated 5 1/2" 23# P-110, S-95 & N-80 LTC @ 13698' DV @ 9132', TOC @ 4650' by TS
Morrow Perfs (Existing):	13,298 – 13,374' (Non-continuous)
Strawn Perfs (Existing):	12,214-224'
Proposed Strawn Perfs:	12,238-254'
Tubing:	2 3/8", 4.7#, 8R, EUE
Correlation Log:	Schlumberger "

RECOMPLETE TO STRAWN

1. MIRU WSU, NUBOP, TOH w/ tubing.
2. RU Wire Line Service Company and pull GR-Neutron-CCL log from PBD to 9500'. Correlate to Schlumberger "Cyberlook" log dated 25 April 1997. Perf Strawn 3 JSPF phased 120 degrees using premium charges as follows:
 - **12,238-254 (16', 48 holes)**
3. TIH with packer and RBP on tubing and set RBP below new Strawn perfs @ 12,400'±. PU and test RBP to 2000 psi. PU with EOT at 12,254 and spot 500 gals 15% NEFe acid across Strawn perfs.
4. PU with packer between upper and lower Strawn perfs @ ~ 12,230'. (NOTE: There is only 14' of blank pipe between perforations. Top perf in lower set is 12,238' and bottom perf in upper set is 12,224') Reverse acid into tubing and set packer.
5. Break down Lower Strawn interval 12,238-51' w/ spot acid followed immediately with 1500 gal 15% NEFE HCl. Use 72 ball sealers for diversion. Monitor casing pressure for evidence of communication between perfs
6. Swab to recover load and test production.
7. Release packer and POH.

8. Run 3 ½" frac string and packer to 12,100' +/- set packer. RU & frac as per attached recommendation.
9. Flow and/or swab back to recover load and test production.
10. Pull 3 ½" frac string. Run production packer and 2 3/8 production tubing, set packer @ 12150'.
11. Swab well in if necessary.
12. Turn well to sales.