

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996DEC 20 2006
RECEIVED
OCD - ARTESIASUNDRY 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

☐ 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-5-18S-31E
1650' FNL & 1650' FEL

5. Lease Serial No.

NM-91308

6. If Indian, Allottee or Tribe Name

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

NM-106827

8. Well Name and No.

Magnum 5 Federal Com No. 1

9. API Well No.

30-015-31312

10. Field and Pool, or Exploratory Area

Shugart; Morrow, North

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Subsequent Report☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Final Abandonment Notice☐ Casing Repair☐ New Construction☐ Recomplete☒ Other☐ Change Plans☐ Plug and Abandon☐ Temporarily Abandon

Add Morrow Perfs

☐ Convert to Injection☐ Plug Back☐ Water Disposal

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 Magnum 5 Federal Com No. 1 is currently producing from Morrow perfs (11807'-11828') and has been shut in since June 2006. Cimarex proposes to re-enter, set a CIBP @ 11770 w/ 35' cmt, and add more Morrow perfs as follows:

Perf Morrow 11691'-11695' 4 jspf 16 holes; acidize w/ 5000 gal 15% HLC acid. If zone is economical, turn to sales.

If uneconomical, Perf Morrow 11676'-11688' 4 jspf 48 holes; if production increases, acidize using ball sealers (will develop plan at that time).

If combined zones are economical, turn to sales.

If uneconomical, set through tubing plug @ 11650' w/ 35' cmt and perf Morrow 11606'-11610' 4 jspf 16 holes. If zone produces gas, acidize (will develop plan at that time). If economical, turn to sales.

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

Name (Printed/Typed)

Natalie Krueger

Title

Reg Analyst 1

Signature

Date

December 20, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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)

APPROVED

Date

DEC 27 2006

WESLEY W. INGRAM
PETROLEUM ENGINEER



**CIMAREX ENERGY CO.
WORKOVER PROCEDURE**

**Magnum Federal 5 Com. #1 - Morrow Recompletion
Turkey Track Morrow North Field**

Standard Operating Procedures:

1. Safety meetings will be conducted every morning and before any large or difficult procedure. **"Safety adds Value to Everything we do."**
2. No alcohol, drugs, firearms, or weapons of any kind are permitted on Cimarex property.
3. Pressure test Wellhead and BOP's to manufacturers recommended pressures after any change.
4. All tubular joints will be lubricated with API approved lubricants for that application.
5. Gauge ring runs will be made before attempting any wireline procedures.

Workover Procedure:

1. MIRU pulling unit. ND Tree, NU BOP's. POOH with tubing.
2. RU Wireline and set CIBP at 11,770'. Use dump bailer to place 35' of cement on top of CIBP. Load casing with 3% KCl water and pressure test to 1,000 psi.
3. RU Halliburton and run TMDL Log from 11000' to 6,000'. Get with David Percy in the Midland Office to determine which logs to run and processing requirements.
4. PU BHA as follows:

 Reentry guide
 2 3/8" X 6' tubing
 "R" nipple
 2 3/8" X 10' tubing
 Retrievable packer

 and GIH with 2 3/8" tubing.
5. Set packer at 11,570'±. Space out and hang off tubing. ND BOP's, NU Tree. RDPU

6. RU wireline and perforate morrow formation from 11,691' – 11,695' (4') with through tubing perforator, 4 jspf., 90° phased. RD wireline.
7. Pump into formation to open perforations. DO NOT FRACTURE FORMATION!
8. Swab well and test formation until constant rate is established.
9. If zone produces gas, RU Coiled Tubing and GIH to bottom of perforations. Spot acid across perforations. Close tubing and acidize formation with 5,000 gallons 15% HCl acid as per recommendation determined from flow test. Release pressure and POH with CT. RDCT. Swab well and test formation. If zone is economical, turn to sales.
10. If zone is not economical, but does produce gas and water; RU wireline and perforate the Morrow formation from 11,676' to 11,688' (12') with through tubing perforator, 4 jspf., 90° phased. RD wireline.
11. Swab well in and test. If production has increased, acidize formation using ball sealers as per recommendation developed at that time. Swab well and test formation. If zone is now economical, turn to sales.
12. If combined zone is not economical, RU wireline and set through tubing plug at 11,650' with 35' of cement on top of plug. Test plug to 1,000 psi. RD wireline company.
13. RU perforator and perforate morrow formation from 11,606' to 11,610' (4') with through tubing perforator, 4 jspf, 90° phased. RD wireline.
14. Break down formation. Swab well and test perforated interval. If zone produces gas, Acidize as per recommendation developed at that time. Swab well and test formation. Turn to sales.