

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

RECEIVED

DEC 22 2009

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.

30-025-33184

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

Eureka 36 State

8. Well Number

001

9. OGRID Number

162683

10. Pool name or Wildcat

Vaccuum; Atoka-Morrow, N (Gas)

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

Cimarex Energy Co. of Colorado

3. Address of Operator

600 N. Marienfeld St., Ste. 600; Midland, TX 79701

4. Well Location

SHL Unit Letter F : 1980 feet from the North line and 1650 feet from the West line

Section 36 Township 16S Range 34E NMPM County Eddy Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4043' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐

OTHER:

PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

\* Intention

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS ☐CASING/CEMENT JOB ☐

OTHER:

ALTERING CASING ☐P AND A ☐☐\* Perform bradenhead squeeze ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Cimarex plans to perform a bradenhead squeeze on this well as shown on the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Natalie Krueger TITLE Regulatory Analyst DATE December 21, 2009Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 432-620-1936

## For State Use Only

APPROVED BY: Tony W. Hill TITLE DISTRICT 1 SUPERVISOR DATE DEC 23 2009

Conditions of Approval (if any):

# Eureka 36 State #1 Squeeze Bradenhead

API # 30-025-33184  
1980' FNL & 1650' FWL  
Section 36, 16S, R-34E  
Lea County, New Mexico

GL: 4042'

KB: '

TD DRILLER: 129885'

TD LOGGER: 12972'

SURF CSG: 13-3/8" OD 48#/FT J-55 AT 425' CMT W/425 SKS. TOC (CIRC)

INTER CSG: 8-5/8" OD 32 #/FT J-55 @ 4780' CMT W/ 2185 SKS. TOC 0' (CIRC)

PROD CSG: 5-1/2" OD 17-20# @ 12972'. DV TOOL @ 9255'. CMT W/1675 TOTAL SX. TOC-3130' BY (CBL)

TUBING: 2-7/8" L-80

PACKER: 5 1/2" GUIBERSON UNI-VI @ 12543 FT, W/1.81 PROFILE NIPPLE

PERFS: STRAWN 11862-11876 (SQUEEZED), ATOKA 12503-12523, MORROW 12827-12837  
CIBP @ 12780' W/ 10 FT CMT CAP

1. Injection test was already performed between the 13 3/8" surface casing and the 8 5/8" Intermediate casing. A rate was established of 2 BPM @ 325 psig. Pumped 30 bbls fresh water to stabilize the rate. Shut down. Called Buddy Hill @ the NMOCD. Advised us to write sundry & turn in.
2. After receiving approved sundry from NMOCD, schedule work to cement down the bradenhead.
3. RU Rising Star cementing services. Squeeze off the braden head (between the 13 3/8" & the 8 5/8" casing strings) w/ 150 SKS Class C cement w/ 3% Calcium Chloride, tail w/ 100 SKS Class C Neat cement. Flush w/ 2 bbls fresh water. Close in braden head valve, let cement cure for 48-72 hrs. RD Rising Star cementing services.
4. Check the braden head for any type of pressure or flow of any kind. If no flow, call the NMOCD to witness the braden head test. Fill out necessary paper work to have this well off of the Non-Compliant list.
5. Once off the NC list, swab the well back in to record stable fluid rates and gas flow rates. Return well to production if possible.