

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                                                                                                                                       |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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.)         |  | WELL API NO.<br>30-025-31037                                                                        |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                        |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br>Cimarex Energy Co. of Colorado                                                                                                                                                                 |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>PO Box 140907; Irving, TX 75014-0907                                                                                                                                                        |  | 7. Lease Name or Unit Agreement Name<br>Matador 28 State                                            |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>1980</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line<br>Section <u>28</u> Township <u>18S</u> Range <u>33E</u> NMPM County <u>Lea</u> |  | 8. Well Number<br>001                                                                               |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3790' GR                                                                                                                                                        |  | 9. OGRID Number<br>162683                                                                           |
| Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>                                                                                                                      |  | 10. Pool name or Wildcat<br>South Corbin; Bone Spring                                               |
| 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 ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Add Bone Spring Perfs, DHC BS & WC ☒ OTHER: ☐

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.

The Matador 28 State No. 1 is currently marginally producing from Bone Spring perfs @ 10002' - 10042'. Below them is a CIBP @ 10400' w/ 20' cement covering Wolfcamp perfs @ 11146' - 11240'. Below that is another CIBP @ 11300 w/ 20' cement covering more Wolfcamp perfs @ 11330' - 11539'. Cimarex proposes the following operations:

Set CBP @ 9910'.

Perf First Bone Spring Sand @ 9270'-9276' 3 spf 18 holes and Second Bone Spring Sand @ 9614'-9628' 3 spf.

Set RBP @ 9910' and packer @ 9540'. Acidize w/ 500 gal 7.5% NeFe Gas Well Blend HCl and 20 ball sealers. Move RBP to 9420' and packer to 9200'. Acidize w/ 1000 gal Acid w/ 42 ball sealers.

If necessary, frac w/ 150000# 20-40 Versaprop w/ resin-coated tail-in.

Run production equipment and obtain pump test of Bone Spring. If viable, submit DHC application to commingle Bone Spring 9270'-9628' and previously perfed Wolfcamp 11146'-11240'. Once DHC is obtained, drill out CBP @ 9910' and CIBP @ 10400'.

Please see attached procedure and plats.

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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Zeno Farris TITLE Mgr Operations Admin DATE May 4, 2007

Type or print name Zeno Farris email address: zfarris@cimarex.com Telephone No. 972-443-6489

For State Use Only

APPROVED BY: Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER  
Conditions of Approval (if any): 06 2007

# MATADOR 28 STATE 1 BONE SPRING WORKOVER

API # 30-025-31037  
1980' FNL & 660' FWL  
Section 28, 18S, R-33E  
Lea County, New Mexico

GL : 3790'  
KB : 3808'  
TD LOGGER: 11750'  
SURF CSG : 13-3/8" OD 48#/FT H-40 AT 395' W/ 400 SX. TOC 0' (CIRC 70 SX)  
INTER CSG: 8-5/8" OD 32#/FT J-55 AT 2964' W/ 1050 SX. TOC 0' (CIRC 270 SX)  
PROD CSG : 5-1/2" OD 17#/20# N-80 @ 11750' W/ 2000 SX. TOC 3200' (CBL)  
TUBING: 2-7/8" N-80 BURST = 10,570 PSI  
PERFS: 3<sup>RD</sup> BONE SPRING CARB PERFS 10,002'-10,042' OVERALL **CIBP AT 10,400'**  
WOLFCAMP 10,476'-11,240' **CIBP@11,300'** 11,338-531' (TIGHT)

**NOTE: ALL WIRELINE WORK SHOULD BE CORRELATED TO HALLIBURTON ACOUSTIC CEMENT BOND LOG DATED 12/20/1990.**

1. SPOT ONE FRAC TANK AND FILL WITH 7% KCL. SPOT FLOWBACK TANK AND TUBING FLOAT. MIRU PU. TOOH W/ RODS AND PUMP. KILL TUBING AND CASING WITH 7% KCL WATER IF NECECCARY. ND TREE AND NU BOP. TOH WITH TUBING STRING.
2. MIRU WIRELINE. RIH WITH 4.5" GR/JB TO 9950'. POH. RIH WITH CBP AND SET AT 9910'. LOAD HOLE WITH 7% KCL WATER AND TEST PLUG TO 5000 PSI.
3. PERFORATE **BONE SPRING** AS FOLLOWS:

| ZONE  | INTERVAL |        | FOOTAGE | HOLES |
|-------|----------|--------|---------|-------|
|       | TOP      | BOTTOM |         |       |
| FBSS  | 9270.0   | 9276.1 | 6.1     | 18    |
| SBSS  | 9614.0   | 9628.2 | 14.2    | 43    |
| TOTAL |          |        | 20      | 61    |

3 SPF, 120 DEG PHASING, 0.34 EHD

4. PICK UP AND TIH W/ RBP WITH BALL CATCHER, TREATING PACKER AND 2-7/8" N-80 TUBING STRING (*ID = 2.441"*, *DRIFT=2.347"*, *BURST=10570 PSI*, *CAPACITY=0.2431 GAL/LF*). SET RBP AT 9200'. PICKLE TUBING WITH 500 GALLONS DOUBLE INHIBITED 15% HCL ACID FLUSH WITH 39 BARRELS 7% KCL WATER. REVERSE OUT WITH 51 BARRELS 7% KCL WATER.
5. LATCH RBP AND RELEASE. LOWER TUBING AND PACKER. SET RBP AT 9910'. MOVE PACKER UP TO 9540' AND SET. SPOT 500 GALLONS 7.5% NEFE GAS WELL BLEND HCL AND 20 BALL SEALERS TO PACKER. CLOSE BYPASS AND ACIDIZE PERFS, MAXIMIZING RATE. RECORD ISIP AND ONE SECOND DATA FOR ONE HOUR. RELEASE PACKER, LATCH RBP AND MOVE PLUG UPHOLE TO 9420' AND SET. MOVE PACKER TO 9200' AND SET. SPOT 1000 GALLONS ACID WITH 42 BALL SEALERS TO PACKER. CLOSE BYPASS. ACIDIZE PERFS, MAXIMIZING RATE. FLUSH WITH 7%KCL. RECORD ISIP AND ONE SECOND DATA FOR ONE HOUR. RELEASE PACKER AND RPB. LOWER RBP BELOW ALL PERFS. PULL PACKER BACK UPHOLE AND SET AT 9200'. FLOW/SWAB BACK ACID LOAD. ATTEMPT TO SWAB DOWN TUBING THE DAY OF ACID JOB.

6. RECORD OVERNIGHT ENTRY AND CUT. IF >20% OIL CUT AND 500' OF ENTRY, PROCEED WITH FRACTURE STIMULATION. OTHERWISE, SELECTIVELY SWAB TEST SBSS PERFS FROM 9614-28' AND DISCUSS WITH ENGINEERING. LATCH RBP AND TOH WITH RBP, PPI PACKER AND TUBING.
7. RIG UP CASING SAVER AND FLOWBACK MANIFOLD. FRACTURE STIMULATE WITH 150K# 20/40 VERSAPROP WITH RESIN COATED TAIL-IN. TAG SAND LADEN STAGES WITH R/A MATERIAL. FLOWBACK UNTIL WELL DIES. TAG SAND AND CLEANOUT IF NECESSARY. RIG UP LOGGERS AND RUN AFTER-FRAC LOG.
8. RUN PRODUCTION EQUIPMENT AND OBTAIN PUMP TEST OF BONE SPRING. IF ABLE TO PUMP DOWN BONE SPRING, SUBMIT DHC APPLICATION FOR BONE SPRING AND WOLFCAMP.
9. ONCE DHC APPROVED, RIG UP AND DRILL OUT PLUGS ABOVE 3BSC AT 9910' AND ABOVE WOLFCAMP AT 10400'. RUN PRODUCTION EQUIPMENT AND BEGIN PRODUCING.

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                              |                                                      |
|-----------------------------------------|--------------------------------------------------------------|------------------------------------------------------|
| <sup>1</sup> API Number<br>30-025-31037 | <sup>2</sup> Pool Code<br>13160                              | <sup>3</sup> Pool Name<br>Corbin; Bone Spring, South |
| <sup>4</sup> Property Code              | <sup>5</sup> Property Name<br>Matador 28 State               | <sup>6</sup> Well Number<br>001                      |
| <sup>7</sup> OGRID No.<br>162683        | <sup>8</sup> Operator Name<br>Cimarex Energy Co. of Colorado | <sup>9</sup> Elevation<br>3790' GR                   |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 28      | 18S      | 33E   |         | 1980          | North            | 660           | West           | Lea    |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                                     |                                    |                                  |                                        |
|-------------------------------------|------------------------------------|----------------------------------|----------------------------------------|
| <sup>12</sup> Dedicated Acres<br>40 | <sup>13</sup> Joint or Infill<br>N | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br>DHC Pending |
|-------------------------------------|------------------------------------|----------------------------------|----------------------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|                                    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <sup>16</sup><br>1980'<br><br>660' |  |  |  | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br>Zeno Farris May 4, 2007<br>Signature Date<br>Zeno Farris<br>Printed Name |
|                                    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Matador 28 St #1                   |  |  |  | <sup>18</sup> <b>SURVEYOR CERTIFICATION</b><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i><br><br>Date of Survey<br>Signature and Seal of Professional Surveyor:<br><br>Certificate Number                                                                                                                                                                                                                                                                           |
|                                    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |