

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
- b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other

2. Name of Operator  
Cimarex Energy Co. of Colorado3. Address  
PO Box 140907; Irving, TX 750143a. Phone No (include area code)  
972-443-6489

4. Location of Well (Report Location clearly and in accordance with Federal requirements)\*

At surface

1980' FSL &amp; 660' FEL

DEC 10 2008

OCD-ARTESIA

5. Lease Serial No.  
NM-119724

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Arroyo Vista 14 Federal 19. API Well No.  
30-015-34340 3634010. Field and Pool, or Exploratory  
Indian Basin; Morrow, SW (GAS)11. Sec., T., R., M., on Block and  
Survey or Area  
14-22S-22E12. County or Parish  
Eddy13. State  
NM14. Date Spudded  
06.28.0815. Date T.D. Reached  
08.13.0816. Date Completed  
☒ D & A ☐ Ready to Prod. 08.19.0817. Elevations (DF, RKB, RT, GL)\*  
4381' GL

18. Total Depth TD 10,000'

19. Plug Back TD TD 0'

20. Depth Bridge Plug Set:

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

HRLLA, TDLD, Sonic

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade  | Wt. (#/ft) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 17 1/2"   | 13 3/8" H40 | 48         | 0'       | 323'        |                      | 440 sx prem plus             |                   | 0'          |               |
| 12 1/4"   | 9 5/8" J-55 | 36         | 0'       | 2236'       |                      | 700 sx class C               |                   | 0'          |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| None |                |                   | None |                |                   |      |                |                   |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|-----|--------|---------------------|------|-----------|--------------|
| A)        |     |        | DRY HOLE            |      |           |              |
| B)        |     |        |                     |      |           |              |
| C)        |     |        |                     |      |           |              |
| D)        |     |        |                     |      |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval    | Amount and Type of Material                                   |
|-------------------|---|
| Plug 10000'-9668' | 125sx Prem class H + .1% HR7 + .3% CFR3 (wt 16.4, yield 1.07) |
| Plug 9249'-9079'  | 125sx Prem class H + .1% HR7 + .3% CFR3 (wt 16.4, yield 1.07) |
| Plug 7548'-7290'  | 125sx Prem class H + .1% HR7 + .3% CFR3 (wt 16.4, yield 1.07) |
| Plug 5992'-5772'  | 100sx Prem plus C Neat (wt 14.8, yield 1.33)                  |
| Plug 4573'-4353'  | 100sx Prem plus C Neat (wt 14.8, yield 1.33)                  |
| Plug 3140'-3103'  | 100sx Prem plus C + 2% CaCl (wt 14.8, yield 1.33)             |
| Plug 2299'-1825'  | 150sx Prem plus C + 2% CaCl (wt 14.8, yield 1.33)             |
| Plug 400'-0'      | 112sx Prem plus C + 2% CaCl (wt 14.8, yield 1.33)             |

28. Production - Interval A -

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                      |             |                   |
| Choke Size          | Tbg Press Flwg SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio        | Well Status |                   |
|                     |                   |              | →               |         |         |           |                      | Dry Hole    |                   |

28. Production - Interval B -

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                      |             |                   |
| Choke Size          | Tbg Press Flwg SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio        | Well Status |                   |
|                     |                   |              | →               |         |         |           |                      |             |                   |

\* (See instructions and spaces for additional data on page 2)

Accepted for record - NMML

## 28b. Production - Interval C

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg Press Flwg SI | Csg Press.   | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                   |              | →               |         |         |           |                       |             |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg Press Flwg SI | Csg Press.   | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                   |              | →               |         |         |           |                       |             |                   |

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)

Dry hole

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name         | Top Meas. Depth |
|-----------|-----|--------|------------------------------|--------------|-----------------|
|           |     |        |                              | Grayburg     | 407'            |
|           |     |        |                              | San Andres   | 565'            |
|           |     |        |                              | Glorieta     | 2,185'          |
|           |     |        |                              | Yeso         | 2,227'          |
|           |     |        |                              | Bone Spring  | 3,076'          |
|           |     |        |                              | Wolfcamp     | 5,913'          |
|           |     |        |                              | Cisco-Canyon | 7,460'          |
|           |     |        |                              | Strawn       | 8,152'          |
|           |     |        |                              | Atoka        | 8,549'          |
|           |     |        |                              | Morrow       | 9,154'          |
|           |     |        |                              | Miss Lower   | 9,866'          |

## 32. Additional remarks (include plugging procedure):

Dry hole, well plugged and abandoned. Cement plugs set at 10000', 9249', 7548', 5992', 4573, 3140', 2299', 400'

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

☒ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (*please print*) Scott Haynes Title Regulatory Analyst

Signature *Scott Haynes* Date November 25, 2008

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

## DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

## DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

## DISTRICT III

1000 Rio Braxos Rd., Aztec, NM 87410

## DISTRICT IV

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |   |   |
|----------------------------|---|---|
| API Number<br>30-015-36340 | Pool Code<br>79030                              | Pool Name<br>Indian Basin; Morrow, SW (GAS) |
| Property Code<br>37174     | Property Name<br>ARROYO VISTA "14" FEDERAL      | Well Number<br>1                            |
| OGRID No.<br>162683        | Operator Name<br>CIMAREX ENERGY CO. OF COLORADO | Elevation<br>4381'                          |

## Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 14      | 22 S     | 22 E  |         | 1980          | SOUTH            | 660           | EAST           | EDDY   |

## 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 |
|------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
|                        |                 |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br>320 | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

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

|  |  |
|--|--|
| <div style="text-align: center; font-size: 24px; font-weight: bold;">NM-119724</div> <div style="text-align: center;"> <p><u>SURFACE LOCATION</u></p> <p>Lat - N52°23'21.23"</p> <p>Long - W104°40'03.60"</p> <p>NMSPCE- N 505495.0</p> <p>E 438137.8</p> <p>(NAD-83)</p> </div> <div style="text-align: center;"> <p>4381.4' 4378.4'</p> <p>4382.2' 4376.2'</p> <p>660'</p> <p>1980'</p> </div> | <p><b>OPERATOR CERTIFICATION</b></p> <p>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 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.</p> <p style="text-align: right;">11-21-08</p> <p>Signature _____ Date _____</p> <p style="text-align: right;">Scott Haynes</p> <p>Printed Name _____</p> |
|  | <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p style="text-align: right;">FEBRUARY 18, 2008</p> <p>Date Surveyed _____</p> <p>Signature _____</p> <p>Professional Surveyor</p>   |
|  | <p>Certificate No. Gary L. Jones 7977</p>  |
|  | <p style="text-align: center;">BASIN SURVEYS</p>   |

WELL NAME AND NUMBER Arroya Vista 14 Federal #1

LOCATION Section 14, T22S, R22E, 1980 FSL, 660 FEL, Eddy County

OPERATOR Cimarex Energy

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

| Degrees @ Depth | Degrees @ Depth | Degrees @ Depth |
|-----------------|-----------------|-----------------|
| 1/2 @ 163'      | 1-3/4 @ 5598'   |                 |
| 1 @ 283'        | 3/4 @ 5994'     |                 |
| 2 @ 503'        | 1 @ 6483'       |                 |
| 2 @ 719'        | 4 @ 6927'       |                 |
| 1-1/2 @ 991'    | 4 @ 7022'       |                 |
| 1-1/2 @ 1258'   | 3 @ 7085'       |                 |
| 2 @ 1541'       | 2 @ 7112'       |                 |
| 1-1/2 @ 2000'   | 2-1/4 @ 7339'   |                 |
| 2 @ 2480'       | 2-1/2 @ 7465'   |                 |
| 1-1/2 @ 2625'   | 2 @ 7592'       |                 |
| 1 @ 3001'       | 2 @ 7908'       |                 |
| 1 @ 3417'       | 1-1/2 @ 8193'   |                 |
| 1-1/2 @ 3893'   | 2 @ 8845'       |                 |
| 1 @ 4426'       | 1 @ 8731'       |                 |
| 1-1/2 @ 4692'   | 1 @ 9457'       |                 |
| 2-1/4 @ 5377'   | 2 @ 9500'       |                 |

Drilling Contractor- UNITED DRILLING, INC.

By: Ramon Gonzalez

Ramon Gonzalez

Title: Drilling Super.

Subscribed and sworn to before me this 20 day of August, 2008

Darryl A. Cho  
Notary Public

Chaves, NM  
County State

My Commission Expires:

10-8-08