

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

NM OIL CONSERVATION  
ARTESIA DISTRICT  
FEB 26 2018

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED ☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|  |   |  |
|--|---|--|
| <sup>1</sup> Operator name and Address<br>Cimarex Energy Co.<br>202 S Cheyenne Ave., Ste 1000<br>Tulsa, OK 74103 |   | <sup>2</sup> OGRID Number<br>215099                                    |
|  |   | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW - 10-11-2017 |
| <sup>4</sup> API Number<br>30 - 015-42168  | <sup>5</sup> Pool Name<br>Hay Hollow, Bone Spring | <sup>6</sup> Pool Code<br>30215  |
| <sup>7</sup> Property Code<br>40444  | <sup>8</sup> Property Name<br>Hornsby 35 Fed Com  | <sup>9</sup> Well Number<br>7H   |

II. <sup>10</sup> Surface Location

|                    |               |                 |              |         |                      |                           |                       |                        |                |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot no.<br>2 | Section<br>35 | Township<br>26S | Range<br>27E | Lot Idn | Feet from the<br>290 | North/South Line<br>SOUTH | Feet from the<br>2050 | East/West line<br>EAST | County<br>EDDY |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|

<sup>11</sup> Bottom Hole Location

|                             |   |  |                                   |                                    |                                     |                           |                       |                        |                |
|-----------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot no.<br>C          | Section<br>26                               | Township<br>26S                                    | Range<br>27E                      | Lot Idn                            | Feet from the<br>330                | North/South line<br>NORTH | Feet from the<br>2594 | East/West line<br>WEST | County<br>EDDY |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code<br>P | <sup>14</sup> Gas Connection<br>Date<br>10-11-2017 | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                           |                       |                        |                |

III. Oil and Gas Transporters

|                                    |   |                     |
|------------------------------------|---|---------------------|
| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address                 | <sup>20</sup> O/G/W |
| 21778                              | Sunoco Inc. R & M<br>PO Box 2039; Tulsa OK                    |                     |
| 226737                             | DCP Midstream<br>370 17 <sup>th</sup> St, Ste 2500; Denver CO |                     |
|                                    |   |                     |
|                                    |   |                     |
|                                    |   |                     |
|                                    |   |                     |
|                                    |   |                     |

IV. Well Completion Data

|                                    |  |                                   |                             |   |                       |
|------------------------------------|--|-----------------------------------|-----------------------------|---|-----------------------|
| <sup>21</sup> Spud Date<br>8-10-17 | <sup>22</sup> Ready Date<br>10-07-2017 | <sup>23</sup> TD<br>14411 / 77710 | <sup>24</sup> PBDT<br>14379 | <sup>25</sup> Perforations<br>7833-14354' | <sup>26</sup> DHC, MC |
| <sup>27</sup> Hole Size            | <sup>28</sup> Casing & Tubing Size     | <sup>29</sup> Depth Set           | <sup>30</sup> Sacks Cement  |   |                       |
| 17.5                               | 13.375                                 | 405                               | 515 - TOC 0'                |   |                       |
| 12.25                              | 9.625                                  | 2223                              | 905 - TOC 0'                |   |                       |
| 8.75                               | 5.5                                    | 14403                             | 2665 - TOC 0'               |   |                       |
|                                    | 2.375                                  | 7236                              |                             |   |                       |

V. Well Test Data

|  |   |                                      |                                 |                                    |                                  |
|--|---|--------------------------------------|---------------------------------|------------------------------------|----------------------------------|
| <sup>31</sup> Date New Oil<br>10-12-17 | <sup>32</sup> Gas Delivery Date<br>10-11-17 | <sup>33</sup> Test Date<br>11-7-2017 | <sup>34</sup> Test Length<br>24 | <sup>35</sup> Tbg. Pressure<br>680 | <sup>36</sup> Csg. Pressure<br>0 |
| <sup>37</sup> Choke Size<br>34/64      | <sup>38</sup> Oil<br>591                    | <sup>39</sup> Water<br>1388          | <sup>40</sup> Gas<br>1012       |                                    | <sup>41</sup> Test Method        |

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:  
Terri Stathem

Title:

Regulatory

E-mail Address:

tstathem@cimarex.com

Date:

02-22-18

Phone:

432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will  
subsequently be reviewed  
and scanned

# NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 26 2018

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM120350

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
CIMAREX ENERGY COMPANY Contact: TERRI STATHEM  
E-Mail: tstatthem@cimarex.com

8. Lease Name and Well No.  
HORNSBY 35 FEDERAL COM 7H

3. Address 202 S CHEYENNE AVE  
TULSA, OK 74103

3a. Phone No. (include area code)  
Ph: 432-620-1936

9. API Well No.  
30-015-42168

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

At surface Sec 35 T26S R27E Mer  
Lot 2 290FSL 2050FEL  
At top prod interval reported below Sec 35 T26S R27E Mer  
Sec 26 T26S R27E Mer  
At total depth NENW 330FNL 2594FWL

10. Field and Pool, or Exploratory  
HAY HOLLOW BONE SPRING

11. Sec., T., R., M., or Block and Survey  
or Area Sec 35 T26S R27E Mer

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
08/10/2017

15. Date T.D. Reached  
08/24/2017

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/11/2017

17. Elevations (DF, KB, RT, GL)\*  
3240 GL

18. Total Depth: MD 14411  
TVD 7710

19. Plug Back T.D.: MD 14379  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

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

### 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 J55 | 48.0        | 0        | 405         |                      | 515                         |                   | 0           | 0             |
| 12.250    | 9.625 J55  | 36.0        | 0        | 2223        |                      | 905                         |                   | 0           | 0             |
| 8.750     | 5.500 L80  | 17.0        | 0        | 14403       |                      | 2665                        |                   | 0           | 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) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 7124           | 7124              |      |                |                   |      |                |                   |

### 25. Producing Intervals

| Formation      | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 7833 | 14354  | 7833 TO 14354       | 0.390 | 1014      | OPEN         |
| B)             |      |        |                     |       |           |              |
| C)             |      |        |                     |       |           |              |
| D)             |      |        |                     |       |           |              |

### 26. Perforation Record

### 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material             |
|----------------|---|
| 7833 TO 14354  | 290639 BBLs TOTAL FLUID; 15667530# SAND |
|                |   |
|                |   |
|                |   |

### 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 10/12/2017          | 11/07/2017        | 24           | →               | 591.0   | 1012.0  | 1388.0    | 39.4                  |             | GAS LIFT          |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 34/64               | SI 680            | 0.0          | →               | 591     | 1012    | 1388      | 1712                  | POW         |                   |

### 28a. 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. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                   |              | →               |         |         |           |                       |             |                   |

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #405396 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* O.

Pending BLM approvals will  
subsequently be reviewed  
and scanned

## 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.)

SOLD

## 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 |
|---------------|------|--------|------------------------------|---------------|-----------------|
| DELAWARE      | 2265 | 3302   | WATER                        | RUSTLER       | 0               |
| CHERRY CANYON | 3302 | 4240   | WATER                        | DELAWARE      | 2265            |
| BONE SPRING   | 5952 | 9000   | OIL GAS WATER                | CHERRY CANYON | 3302            |
|               |      |        |                              | BONE SPRING   | 5952            |

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

NO logs run

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

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

Electronic Submission #405396 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) TERRI STATHEM

Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission)

Date 02/22/2018

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.

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