

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NMNM112930

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

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

2. Name of Operator  
COG Operating LLC

8. FARM OR LEASE NAME

Superfortress 29 Federal #4H

3. Address  
2208 W. Main Street  
Artesia, NM 88210

3a. Phone No. (include area code)  
575-748-6940

9. API WELL NO.

30-015-39975

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

At surface 330' FNL & 330' FWL, Unit D (NWNW)

At top prod. Interval reported below

At total depth 332' FSL & 360' FWL, Unit M (SWSW)

10. FIELD NAME

Hackberry; Bone Spring

11. SEC. T. R. M. OR BLOCK AND SURVEY  
OR AREA 29 T 19S R 31E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

14. Date Spudded 6/5/12 15. Date T.D. Reached 6/23/12 16. Date Completed ☐ D & A ☒ Ready to Prod. 7/24/13

17. ELEVATIONS (DF. RKB, RT. GR, etc.)\*  
3472' GR 3490' KB

18. Total Depth: MD 13375' 19. Plug back T.D.: MD 13328' 20. Depth Bridge Plug Set: MD  
TVD 8942' TVD 8943' TVD

21. Type Electric & other Logs Run (Submit a copy of each)  
CNL, CBL

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 Cement Depth | No. of Sks. & Type of Cement | Slurry Vol. (Bbl) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|------------|--------------------|------------------------------|-------------------|-------------|---------------|
| 17 1/2"   | 13 3/8" J55 | 54.5#       | 0        | 454'       |                    | 550 sx                       |                   | 0           | None          |
| 12 1/4"   | 9 5/8" J55  | 36# & 40#   | 0        | 4100'      | 2250'              | 3800 sx                      |                   | 0           | None          |
| 7 7/8"    | 5 1/2" P110 | 17#         | 0        | 13370'     |                    | 1900 sx                      |                   | 850'        | None          |
| 7 7/8"    | 3 1/2" P110 | 9.3#        | 8306'    | 13363'     |                    | 255 sx                       |                   | 8306'       |               |

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 7/8" | 8189'          |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top   | Bottom | Perforated Interval | Size | No. of Holes | Perf. Status          |
|----------------|-------|--------|---------------------|------|--------------|-----------------------|
| A) Bone Spring | 9103' | 13284' | 9103-13224'         | 0.43 | 598          | Open                  |
| B)             |       |        | 13274-13284'        | 0.36 | 60           | Open                  |
| C)             |       |        | 12900-13291'        | 0.43 | 46           | Behind Cemented Liner |
| D)             |       |        |                     |      |              |                       |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| See Attached   | See Attached                |
|                |                             |
|                |                             |
|                |                             |

ACCEPTED FOR RECORD

RECEIVED  
SEP 17 2013  
NMOCD ARTESIA

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 |
|---------------------|---------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 7/25/13             | 8/14/13             | 24             | →               | 634     | 558     | 1465      |                       |             | Pumping           |
| Choke Size          | Tbg. Press Flwg. SI | Csg. Press. SI | 24 Hr. Rate     | Oil Bbl | Gas MCF | Water Bbl | Gas: Oil Ratio        | Well Status |                   |
|                     | 285#                | 175#           | →               | 634     | 558     | 1465      |                       | Producing   |                   |

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 |
|---------------------|---------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                     |                | →               |         |         |           |                       |             | RECLAMATION       |
| Choke Size          | Tbg. Press Flwg. SI | Csg. Press. SI | 24 Hr. Rate     | Oil Bbl | Gas MCF | Water Bbl | Gas: Oil Ratio        | Well Status |                   |
|                     |                     |                | →               |         |         |           |                       |             | 1.24-17           |

## 28b. Production- Interval C

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

## 28c. Production- Interval D

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

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

Flaring due to high line pressure

## 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            |
|-------------------------|-------|--------|-----------------------------|-----------------|----------------|
|                         |       |        |                             |                 | Measured Depth |
| Delaware<br>Bone Spring | 4297' | 6593'  |                             | Rustler         | 165'           |
|                         | 6594' | 13375' |                             | Top of Salt     | 280'           |
|                         |       |        |                             | Bottom of Salt  | 1893'          |
|                         |       |        |                             | Capitan         | 2329'          |
|                         |       |        |                             | Delaware        | 4297'          |
|                         |       |        |                             | Bone Spring Lm  | 6594'          |
|                         |       |        |                             | 1st Bone Spring | 7915'          |
|                         |       |        |                             | 2nd Bone Spring | 8743'          |
|                         |       |        |                             |                 | TD. 13375'     |

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

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

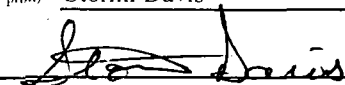
- ☒ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

## 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) Stormi Davis

Title Regulatory Analyst

Signature



Date 9/10/13

**SUPERFORTRESS 29 FEDERAL #4H****30-025-39975****Sec 29-T19S-R31E**

| <u>Perfs</u>  | <u>7 1/2% Acid (Gal)</u> | <u>Sand (#)</u> | <u>Fluid (Gal)</u> |                |
|---------------|--------------------------|-----------------|--------------------|----------------|
| 12900-13291'  | 3003                     | 365916          | 322319             | (Behind Liner) |
| 13118-13224'  | 2940                     | 150539          | 138306             |                |
| 12696-12801'  | 3906                     | 151365          | 149604             |                |
| 12484-12590'  | 3906                     | 150536          | 137424             |                |
| 12273-12379'  | 3948                     | 151913          | 138306             |                |
| 11956-12167'  | 4242                     | 230420          | 211176             |                |
| 11745-11850'  | 4074                     | 152319          | 132930             |                |
| 11533-11639'  | 3948                     | 150226          | 132192             |                |
| 11322-11428'  | 3990                     | 147906          | 130028             |                |
| 11005-11210'  | 4008                     | 231375          | 211302             |                |
| 10688-10899'  | 3990                     | 236072          | 186942             |                |
| 10374-10582'  | 4032                     | 228116          | 184548             |                |
| 10054-10265'  | 3948                     | 225678          | 182364             |                |
| 9737-9948'    | 3948                     | 220352          | 182994             |                |
| 9420-9631'    | 4032                     | 232260          | 184506             |                |
| 9103-9314'    | 4116                     | 253394          | 191520             |                |
| <b>Totals</b> | <b>62031</b>             | <b>3278387</b>  | <b>2816461</b>     |                |

