

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.

NMNM12559

|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|--------------------|-----------------------------|-----------------------|-------------------|-------------------|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other                                                                                                                  |                     | 6. INDIAN ALLOTTEE OR TRIBE NAME                                                                                                                                                                                                                                                                                       |                        |                |                    |                             |                       |                   |                   |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.                                                                |                     | 7. UNIT AGREEMENT                                                                                                                                                                                                                                                                                                      |                        |                |                    |                             |                       |                   |                   |
| Other _____                                                                                                                                                                                                                                                                  |                     | 8. FARM OR LEASE NAME<br>Brutus 12 Federal Com #2H                                                                                                                                                                                                                                                                     |                        |                |                    |                             |                       |                   |                   |
| 2. Name of Operator<br>COG Production LLC                                                                                                                                                                                                                                    |                     | 9. API WELL NO.<br>30-015-40823                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 3. Address<br>2208 W. Main Street<br>Artesia, NM 88210                                                                                                                                                                                                                       |                     | 3a. Phone No. (include area code)<br>575-748-6940                                                                                                                                                                                                                                                                      |                        |                |                    |                             |                       |                   |                   |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface 370' FSL & 2260' FEL, Unit O (SWSE) Sec 12-T26S-R28E<br>At top prod. Interval reported below<br>At total depth 343' FNL & 2238' FEL, Unit B (NWNE) Sec 12-T26S-R28E |                     | 10. FIELD NAME<br>Red Bluff, Bone Spring, South                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 14. Date Spudded<br>2/19/13                                                                                                                                                                                                                                                  |                     | 11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA<br>12 T 26S R 28E                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 15. Date T.D. Reached<br>3/16/13                                                                                                                                                                                                                                             |                     | 12. COUNTY OR PARISH<br>Eddy                                                                                                                                                                                                                                                                                           |                        |                |                    |                             |                       |                   |                   |
| 16. Date Completed<br>4/20/13<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.                                                                                                                                                           |                     | 13. STATE<br>NM                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 17. ELEVATIONS (DF, RKB, RT, GR, etc.)*<br>2936' GR 2954' KB                                                                                                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 18. Total Depth: MD 12622' TVD 8350'                                                                                                                                                                                                                                         |                     | 20. Depth Bridge Plug Set: MD TVD                                                                                                                                                                                                                                                                                      |                        |                |                    |                             |                       |                   |                   |
| 19. Plug back T.D.: MD 12618' TVD 8350'                                                                                                                                                                                                                                      |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 21. Type Electric & other Logs Run (Submit a copy of each)<br>None                                                                                                                                                                                                           |                     | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sk. & Type of Cement | Slurry Vol. (Bbl)     | Cement Top*       | Amount Pulled     |
| 17 1/2"                                                                                                                                                                                                                                                                      | 13 3/8" J55         | 48#                                                                                                                                                                                                                                                                                                                    | 0                      | 443'           |                    | 500 sx                      |                       | 0                 | None              |
| 12 1/4"                                                                                                                                                                                                                                                                      | 9 5/8" J55          | 36#                                                                                                                                                                                                                                                                                                                    | 0                      | 2655'          |                    | 925 sx                      |                       | 0                 | None              |
| 7 7/8"                                                                                                                                                                                                                                                                       | 5 1/2" P110         | 17#                                                                                                                                                                                                                                                                                                                    | 0                      | 12622'         |                    | 1900 sx                     |                       | 1920'             | None              |
| 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"                                                                                                                                                                                                                                                                       | 7708'               |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 25. Producing Intervals                                                                                                                                                                                                                                                      |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| Formation                                                                                                                                                                                                                                                                    | Top                 | Bottom                                                                                                                                                                                                                                                                                                                 | 26. Perforation Record |                |                    |                             |                       |                   |                   |
| A) Bone Spring                                                                                                                                                                                                                                                               | 8478'               | 12570'                                                                                                                                                                                                                                                                                                                 | Perforated Interval    | Size           | No. of Holes       | Perf. Status                |                       |                   |                   |
| B)                                                                                                                                                                                                                                                                           |                     |                                                                                                                                                                                                                                                                                                                        | 12560-12570'           | 0.43           | 506                | Open                        |                       |                   |                   |
| C)                                                                                                                                                                                                                                                                           |                     |                                                                                                                                                                                                                                                                                                                        |                        |                | 60                 | Open                        |                       |                   |                   |
| D)                                                                                                                                                                                                                                                                           |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 27. Acid Fracture Treatment, Cement Squeeze, Etc.                                                                                                                                                                                                                            |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| Depth Interval                                                                                                                                                                                                                                                               |                     | Amount and Type of Material                                                                                                                                                                                                                                                                                            |                        |                |                    |                             |                       |                   |                   |
| See Attached                                                                                                                                                                                                                                                                 |                     | See Attached                                                                                                                                                                                                                                                                                                           |                        |                |                    |                             |                       |                   |                   |
|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        |                        |                |                    |                             |                       |                   |                   |
| 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 |
| 4/22/13                                                                                                                                                                                                                                                                      | 5/9/13              | 24                                                                                                                                                                                                                                                                                                                     | →                      | 802            | 675                | 2192                        |                       |                   | Pumping           |
| Choke Size                                                                                                                                                                                                                                                                   | Tbg. Press Flwg. SI | Csg. Press.                                                                                                                                                                                                                                                                                                            | 24 Hr. Rate            | Oil Bbl        | Gas MCF            | Water Bbl                   | Gas: Oil Ratio        | Well Status       |                   |
|                                                                                                                                                                                                                                                                              | 180#                |                                                                                                                                                                                                                                                                                                                        | →                      | 802            | 675                | 2192                        |                       | 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 |
|                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                        | →                      |                |                    |                             |                       |                   |                   |
| 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)

RECEIVED

MAY 31 2013

NMOCD ARTESIA

RECLAMATION  
DUE 10-20-13

ACCEPTED FOR RECORD

MAY 26 2013

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

JW

## 28b. Production- Interval C

|                     |                     |              |                      |         |         |           |                       |             |                   |
|---------------------|---------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date           | Hours Tested | Test Production<br>→ | 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<br>→     | Oil Bbl | Gas MCF | Water Bbl | Gas: Oil 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 Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press Flwg. SI | Csg Press.   | 24 Hr. Rate<br>→     | 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            |
|----------------------|-------|--------|-----------------------------|--------------------|----------------|
|                      |       |        |                             |                    | Measured Depth |
| Lamar<br>Bone Spring | 2655' | 6388'  |                             | Rustler            | 15'            |
|                      | 6389' | 12622' |                             | Top of Salt        | 716'           |
|                      |       |        |                             | Base of Salt       | 2431'          |
|                      |       |        |                             | Lamar              | 2655'          |
|                      |       |        |                             | Bone Spring Lime   | 6389'          |
|                      |       |        |                             | First Bone Spring  | 7309'          |
|                      |       |        |                             | Second Bone Spring | 8115'          |
|                      |       |        |                             |                    | TD. 12622'     |

## 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 5/10/13

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.

(Continued on page 3)

(Form 3160-4, page 2)

**BRUTUS 12 FEDERAL COM #2H****30-015-40823****Sec 12-T26S-R28E**

| <u>Perfs</u>  | <u>7 1/2% Acid (Gal)</u> | <u>Sand (#)</u> | <u>Fluid (Gal)</u> |
|---------------|--------------------------|-----------------|--------------------|
| 12229-12511'  | 2991                     | 309415          | 281498             |
| 11854-12136'  | 2986                     | 301997          | 271325             |
| 11478-11761'  | 2993                     | 300465          | 235967             |
| 11103-11386'  | 2970                     | 304374          | 226993             |
| 10728-11011'  | 2999                     | 299332          | 224435             |
| 10353-10636'  | 2974                     | 298651          | 222722             |
| 9978-10260'   | 3240                     | 301936          | 222629             |
| 9603-9885'    | 3030                     | 296503          | 219530             |
| 9228-9510'    | 2963                     | 300009          | 220903             |
| 8853-9141'    | 2964                     | 302689          | 222981             |
| 8478-8760'    | 3286                     | 322717          | 224068             |
| <b>Totals</b> | <b>33396</b>             | <b>3338088</b>  | <b>2573051</b>     |