

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD  
HOBS  
AUG 22 2019  
RECEIVED

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Other Resvr.

2. Name of Operator: COG PRODUCTION LLC Contact: AMANDA AVERY E-Mail: aavery@concho.com

3. Address: 2208 W MAIN STREET ARTESIA, NM 88210 3a. Phone No. (include area code) Ph: 575-748-6940

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface: SWSW 240FSL 1080FWL 32.167475 N Lat, 103.650496 W Lon  
At top prod interval reported below: SWSW 240FNL 1080FWL 32.167475 N Lat, 103.650496 W Lon  
At total depth: NWSW 2410FSL 986FWL 32.187977 N Lat, 103.650798 W Lon

5. Lease Serial No. MNM120907

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. EIDER FEDERAL 102H

9. API Well No. 30-025-44630-00-S1

10. Field and Pool, or Exploratory WC025G06S253201M-UPPER BONE SP

11. Sec., T., R., M., or Block and Survey or Area Sec 35 T24S R32E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded 07/12/2018 15. Date T.D. Reached 07/30/2018 16. Date Completed  D & A  Ready to Prod. 02/02/2019

17. Elevations (DF, KB, RT, GL)\* 3522 GL

18. Total Depth: MD 16466 TVD 9228 19. Plug Back T.D.: MD 16370 TVD 9228 20. Depth Bridge Plug Set: MD 16387 TVD 9228

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 3522 GL

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 | 54.5        | 0        | 994         |                      | 800                         |                   | 0           |               |
| 12.750    | 9.625 L80  | 40.0        | 0        | 4831        |                      | 1400                        |                   | 0           |               |
| 8.750     | 5.500 P110 | 17.0        | 0        | 16455       |                      | 2500                        |                   | 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) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 8737           | 8727              |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|------|-----------|--------------|
| A) BONE SPRING | 9367 | 16362  | 9367 TO 16362       |      | 1200      |              |
| B)             |      |        |                     |      |           |              |
| C)             |      |        |                     |      |           |              |
| D)             |      |        |                     |      |           |              |

26. Perforation Record

| Formation      | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|------|-----------|--------------|
| A) BONE SPRING | 9367 | 16362  | 9367 TO 16362       |      | 1200      |              |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 9367 TO 16362  | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 02/02/2019          | 02/02/2019        | 24           | →               | 194.0   | 826.0   | 2564.0    |                       |             | GAS LIFT          |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 28/64               | SI 975            | 650.0        | →               | 194     | 826     | 2564      |                       | 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 |                   |
|                     | SI                |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD  
JUL 15 2019  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #455863 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* BLM REVISED \*\*

Reclamation Due: 8/2/2019

Ka

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         |
|------------------|------|--------|------------------------------|------------------|-------------|
|                  |      |        |                              |                  | Meas. Depth |
| RUSTLER          | 942  |        |                              | RUSTLER          | 942         |
| TOP OF SALT      | 1279 |        |                              | TOP OF SALT      | 1279        |
| BASE OF SALT     | 4605 |        |                              | BASE OF SALT     | 4605        |
| LAMAR            | 4828 |        |                              | LAMAR            | 4828        |
| CHERRY CANYON    | 5782 |        |                              | CHERRY CANYON    | 5782        |
| BONE SPRING LIME | 8782 |        |                              | BONE SPRING LIME | 8782        |

32. Additional remarks (include plugging procedure):

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 #455863 Verified by the BLM Well Information System.  
For COG PRODUCTION LLC, sent to the Hobbs  
Committed to AFMSS for processing by DINAH NEGRETE on 07/15/2019 (19DCN0160SE)

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission) Date 02/25/2019

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  
1925 N. FRENCH DR., HOBBES, NM 88240  
Phone: (575) 595-6161 Fax: (575) 595-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                            |                                      |  |
|----------------------------|--------------------------------------|--|
| API Number<br>30-025-44634 | Pool Code<br>97784                   | Pool Name<br>WC025G06S223421E - Bone Spring <i>Upper</i> |
| Property Code<br>314913    | Property Name<br>EIDER FEDERAL       | Well Number<br>102H                                      |
| OGRID No.                  | Operator Name<br>COG PRODUCTION, LLC | Elevation<br>3522.3'                                     |

**Surface Location**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 35      | 24-S     | 32-E  |         | 240           | SOUTH            | 1080          | WEST           | LEA    |

**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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L             | 26      | 24-S     | 32-E  |         | 2410          | SOUTH            | 986           | WEST           | LEA    |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>240 | Joint or Infill | Consolidation Code | Order No. |
|------------------------|-----------------|--------------------|-----------|

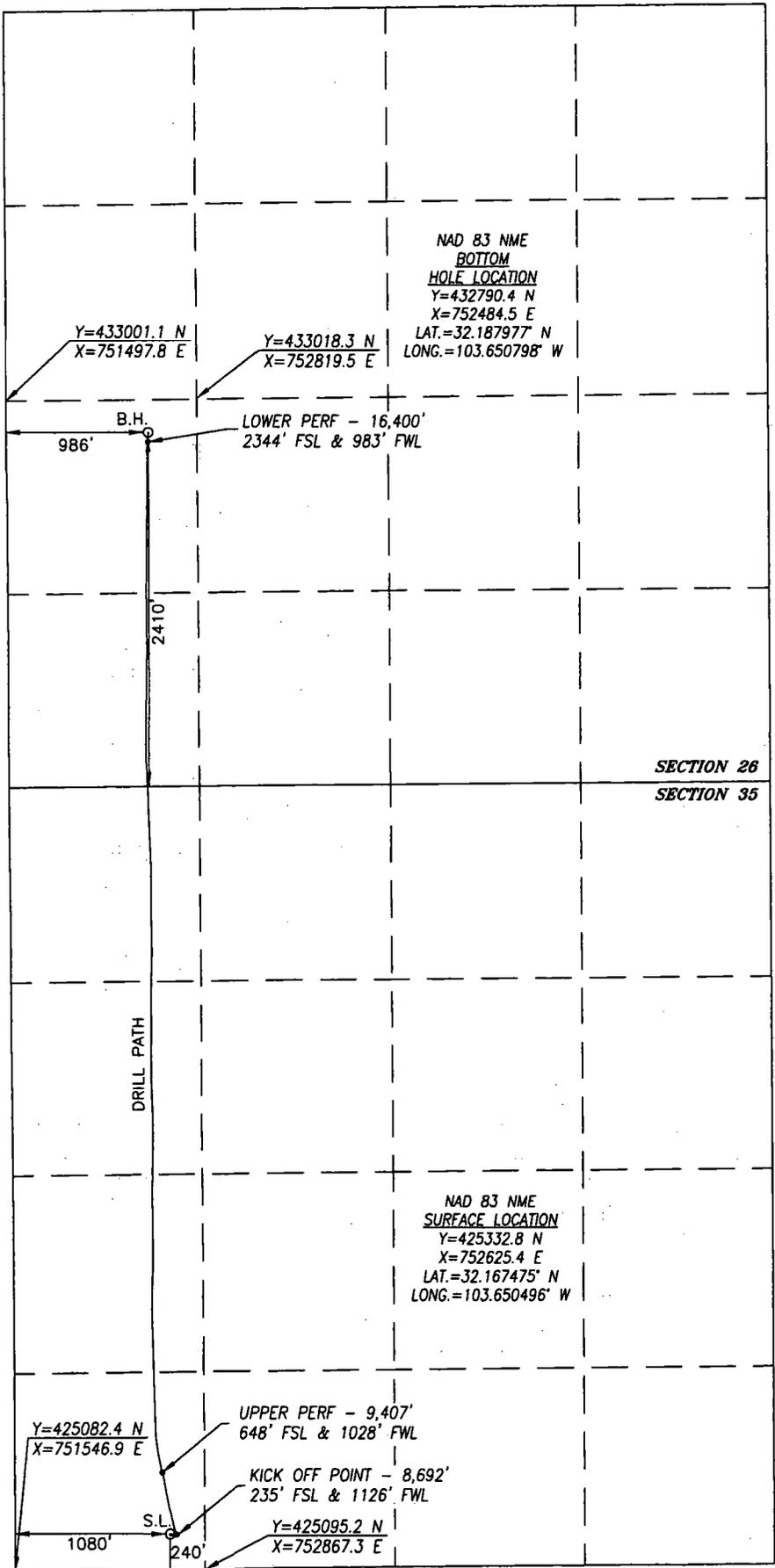
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

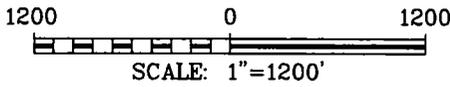
PAGE 1 OF 2

W.O. #19-195  
DRAWN BY: WN

|                         |   |                      |
|-------------------------|---|----------------------|
| Property Code<br>314913 | Property Name<br><b>EIDER FEDERAL</b>       | Well Number<br>102H  |
| OGRID No.<br>229137     | Operator Name<br><b>COG PRODUCTION, LLC</b> | Elevation<br>3522.3' |



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE EIDER FEDERAL #102H SUPPLIED TO HARCROW SURVEYING, LLC ON FEBRUARY 4, 2019



**OPERATOR CERTIFICATION**

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

2/15/19  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Amanda Avery**  
Printed Name  
**aavery@concho.com**  
E-mail Address

**SURVEYOR CERTIFICATION**

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.

AUG. 25, 2017/AUG. 1, 2018  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 2/11/19  
Certificate No. CHAD HARCROW 17777