

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

**HOBBS OCD**

**AUG 02 2019**

**RECEIVED**

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

|   |   |   |
|---|---|---|
| <sup>1</sup> Operator name and Address<br>COG Operating LLC<br>2208 W. Main Street<br>Artesia, NM 88210 |   | <sup>2</sup> OGRID Number<br>229137                       |
|   |   | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW |
| <sup>4</sup> API Number<br>30 - 025-45101   | <sup>5</sup> Pool Name<br>Berry; Bone Spring, North   | <sup>6</sup> Pool Code<br>5535                            |
| <sup>7</sup> Property Code<br>322258  | <sup>8</sup> Property Name<br>Little Bear Federal Com | <sup>9</sup> Well Number<br>5H                            |

**II. <sup>10</sup> 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             | 33      | 20S      | 34E   |         | 384           | South            | 1091          | West           | Lea    |

**<sup>11</sup> Bottom Hole Location**

| Ul or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L             | 28      | 20S      | 34E   |         | 2440          | South            | 341           | West           | Lea    |

|                             |  |  |                                   |                                    |                                     |
|-----------------------------|--|--|-----------------------------------|------------------------------------|-------------------------------------|
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method Code<br>F | <sup>14</sup> Gas Connection Date<br>6/23/19 | <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 OGRID | <sup>19</sup> Transporter Name and Address                                   | <sup>20</sup> O/G/W |
|---------------------------------|--|---------------------|
|                                 | ACC  | O                   |
|                                 | Targa Midstream Services, LP<br>1000 Louisiana Ste 4700<br>Houston, TX 77002 | G                   |
|                                 | Holly Refining and Marketing Co.   | O                   |

**IV. Well Completion Data**

|                                    |                                     |                            |                              |  |                       |
|------------------------------------|-------------------------------------|----------------------------|------------------------------|--|-----------------------|
| <sup>21</sup> Spud Date<br>9/23/18 | <sup>22</sup> Ready Date<br>6/23/19 | <sup>23</sup> TD<br>18797' | <sup>24</sup> PBSD<br>17,164 | <sup>25</sup> Perforations<br>11,614-18,690' | <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 1/2"                            | 13 3/8"                             | 1892'                      | 1350                         |  |                       |
| 12 1/4"                            | 9 5/8"                              | 5748'                      | 3700                         |  |                       |
| 8 3/4"                             | 5 1/2"                              | 18799'                     | 3600                         |  |                       |
|                                    | 2 7/8"                              | 11140'                     |                              |  |                       |

**V. Well Test Data**

|                                       |  |                                    |                                     |                                      |                                      |
|---------------------------------------|--|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| <sup>31</sup> Date New Oil<br>6/23/19 | <sup>32</sup> Gas Delivery Date<br>6/23/19 | <sup>33</sup> Test Date<br>6/23/19 | <sup>34</sup> Test Length<br>24 Hrs | <sup>35</sup> Tbg. Pressure<br>1450# | <sup>36</sup> Csg. Pressure<br>1400# |
| <sup>37</sup> Choke Size<br>24/64"    | <sup>38</sup> Oil<br>92                    | <sup>39</sup> Water<br>1134        | <sup>40</sup> Gas<br>146            | <sup>41</sup> Test Method<br>Flowing |                                      |

<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: *Amanda Avery*

Printed name:  
Amanda Avery  
Title:  
Regulatory Analyst

E-mail Address:  
aavery@concho.com

Date:  
7/30/19

Phone:  
575-748-6962

OIL CONSERVATION DIVISION

Approved by: *P. Math*

Title: *I. Math*

Approval Date: *8/5/2019*

Documents pending BLM approvals will subsequently be reviewed and scanned.

HOBBS OCD

AUG 02 2019

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

WELL PERFORATION OR RECOMPLETION REPORT AND LOG

1a. Type of Well [X] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr.
2. Name of Operator COG OPERATING LLC Contact: AMANDA AVERY
3. Address 2208 W MAIN STREET ARTESIA, NM 88210
4. Location of Well (Report location clearly and in accordance with Federal requirements)\*
14. Date Spudded 09/23/2018
15. Date T.D. Reached 10/22/2018
16. Date Completed [ ] D & A [X] Ready to Prod. 06/23/2019
17. Elevations (DF, KB, RT, GL)\* 3808 GL
18. Total Depth: MD 18797 TVD 11205
19. Plug Back T.D.: MD 17164 TVD 11205
20. Depth Bridge Plug Set: MD 18715 TVD 11205
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit analysis)
Directional Survey? [ ] No [X] Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)
Table with columns: 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.

24. Tubing Record
Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD).

25. Producing Intervals
26. Perforation Record
Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status.

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.
Table with columns: Depth Interval, Amount and Type of Material.

28. Production - Interval A
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method.

28a. Production - Interval B
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method.

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #475991 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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               | 1756  |        |                              | RUSTLER               | 1756        |
| TOP OF SALT           | 2164  |        |                              | TOP OF SALT           | 2164        |
| BOTTOM OF SALT        | 3611  |        |                              | BOTTOM OF SALT        | 3611        |
| BONE SPRING LIMESTONE | 8811  |        |                              | BONE SPRING LIMESTONE | 8811        |
| 1ST BONE SPRING       | 9938  |        |                              | 1ST BONE SPRING       | 9938        |
| 2ND BONE SPRING       | 10386 |        |                              | 2ND BONE SPRING       | 10386       |
| 3RD BONE SPRING       | 11264 |        |                              | 3RD BONE SPRING       | 11264       |

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 #475991 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 07/31/2019

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**HOBBS OCD**  
**RECEIVED**  
AUG 02 2019

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|   |   |  |
|---|---|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                            |   | 5. Lease Serial No.<br>NMNM128368                                  |
| 2. Name of Operator<br>COG OPERATING LLC<br>Contact: AMANDA AVERY<br>E-Mail: aavery@concho.com  |   | 6. If Indian, Allottee or Tribe Name                               |
| 3a. Address<br>2208 W MAIN STREET<br>ARTESIA, NM 88210  | 3b. Phone No. (include area code)<br>Ph: 575-748-6940 | 7. If Unit or CA/Agreement, Name and/or No.                        |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 33 T20S R34E Mer NMP SWSW 384FSL 1091FWL<br>32.523377 N Lat, 103.570299 W Lon |   | 8. Well Name and No.<br>LITTLE BEAR FEDERAL COM 5H                 |
|   |   | 9. API Well No.<br>30-025-45101                                    |
|   |   | 10. Field and Pool or Exploratory Area<br>BERRY; BONE SPRING NORTH |
|   |   | 11. County or Parish, State<br>LEA COUNTY, NM                      |

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Hydraulic Fracture                        |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

2/8/19 Test annulus to 1500# Set Composite Bridge plug @ 18,715' and test csg to 9504#. Good test.  
4/28/19 to 5/14/19 Perf 11,614-18,690' (1072). Acdz w/109,326 gal 7 1/2%; frac w/ 14,413,570# sand & 12,765,350 gal fluid.  
5/21/19 to 5/22/19 Drilled out #1 to #28 CFP's. Clean down to PBD @ 17,164'. Will drill remaining CFP's at a later date.  
5/31/19 to 6/1/19 Set 2 7/8" 6.5# L-80 tbg @ 11,140' packer @ 11,130'. Installed gas lift system.  
6/23/19 Began flowing back & testing. Date of first production.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #475996 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs**

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Name (Printed/Typed) AMANDA AVERY | Title AUTHORIZED REPRESENTATIVE |
| Signature (Electronic Submission) | Date 07/31/2019                 |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             | Office _____ |

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.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***