

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

| | | |
|--|---|--|
| ¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210 | | ² OGRID Number 229137 |
| | | ³ Reason for Filing Code/ Effective Date NW |
| ⁴ API Number 30 - 025-45102 | ⁵ Pool Name WC-025 G-08 S203435D; WOLFCAMP | ⁶ Pool Code 98247 |
| ⁷ Property Code 322258 | ⁸ Property Name Little Bear Federal Com | ⁹ Well Number 6H |

II. ¹⁰ 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 | 34 | 20S | 34E | | 387 | South | 660 | West | Lea |

¹¹ 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 |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| D | 34 | 20S | 34E | | 201 | North | 321 | West | Lea |

| ¹² Lse Code | ¹³ Producing Method Code | ¹⁴ Gas Connection Date | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date |
|------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| F | F | 6/21/19 | | | |

III. Oil and Gas Transporters

| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|---|---------------------|
| | ACC | O |
| | Targa Midstream Services, LP 1000 Louisiana Ste 4700 Houston, TX 77002 | G |
| | Holly Refining and Marketing Co. | O |

IV. Well Completion Data

| ²¹ Spud Date | ²² Ready Date | ²³ TD | ²⁴ PBDT | ²⁵ Perforations | ²⁶ DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 11/28/18 | 6/21/19 | 16280' | 16216' | 11,792-16,194' | |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 20" | 16" | 1800' | 1700 | | |
| 13 1/2" | 10 3/4" | 5665' | 3300 | | |
| 9 7/8" | 7 5/8" | 10983' | 500 | | |
| 6 3/4" | 5 & 5 1/2" | 16270' | 1250 | | |
| | 2 7/8" | 10,577 | | | |

V. Well Test Data

| ³¹ Date New Oil | ³² Gas Delivery Date | ³³ Test Date | ³⁴ Test Length | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 6/21/19 | 6/21/19 | 6/21/19 | 24 Hrs | 1350# | 1200# |
| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| 24/64" | 78 | 1960 | 132 | Flowing | |

⁴² 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: **7/31/19** Phone: **575-748-6962**

| | |
|----------------------------------|--------------------|
| OIL CONSERVATION DIVISION | |
| Approved by: | <i>[Signature]</i> |
| Title: | <i>[Signature]</i> |
| Approval Date: | 8/5/2019 |

Documents pending BLM approvals will subsequently be reviewed and scanned.

HOBBS OCD

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 02 2019

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED**5. Lease Serial No.
NMNM1283681a. 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
COG OPERATING LLC Contact: AMANDA AVERY
E-Mail: aavery@concho.com8. Lease Name and Well No.
LITTLE BEAR FEDERAL COM 6H3. Address 2208 W MAIN STREET
ARTESIA, NM 88210 3a. Phone No. (include area code)
Ph: 575-748-69409. API Well No.
30-025-451024. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWSW Lot M 387FSL 660FWL 32.523395 N Lat, 103.554499 W Lon
At top prod interval reported below SWSW Lot M 387FSL 660FWL 32.523395 N Lat, 103.554499 W Lon
At total depth NWNW Lot D 201FNL 321FWL 32.536292 N Lat, 103.555625 W Lon10. Field and Pool, or Exploratory
WILDCAT; WOLFCAMP
11. Sec., T., R., M., or Block and Survey
or Area Sec 34 T20S R34E Mer NMP
12. County or Parish LEA 13. State NM14. Date Spudded 11/28/2018 15. Date T.D. Reached 12/31/2018 16. Date Completed
 D & A Ready to Prod. 06/21/201917. Elevations (DF, KB, RT, GL)*
3791 GL

18. Total Depth: MD 16280 TVD 11553 19. Plug Back T.D.: MD 16216 TVD 11553 20. Depth Bridge Plug Set: MD 16219 TVD 11553

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 20.000 | 16.000 J55 | 84.0 | 0 | 1800 | | 1700 | | 0 | |
| 13.500 | 10.750 L80 | 45.5 | 0 | 5665 | 3740 | 3300 | | 0 | |
| 9.875 | 7.625 L80 | 29.7 | 0 | 10983 | | 500 | | 0 | |
| 6.750 | 5.500 P110 | 20.0 | 0 | 16270 | | 1250 | | 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 | 10577 | 10567 | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|------|-----------|--------------|
| A) WOLFCAMP | 11792 | 16194 | 11792 TO 16194 | | 690 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 11792 TO 16194 | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 06/21/2019 | 06/21/2019 | 24 | → | 78.0 | 132.0 | 1960.0 | | | GAS LIFT |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 24/64 | SI 1350 | 1200.0 | → | 78 | 132 | 1960 | | 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 | | → | | | | | | |

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

ELECTRONIC SUBMISSION #476132 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 | 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.

| 30. Summary of Porous Zones (Include Aquifers): | | | | 31. Formation (Log) Markers | |
|---|-------|--------|------------------------------|-----------------------------|-----------------|
| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
| RUSTLER | 1727 | | | RUSTLER | 1727 |
| TOP OF SALT | 2135 | | | TOP OF SALT | 2135 |
| BOTTOM OF SALT | 3472 | | | BOTTOM OF SALT | 3472 |
| BONE SPRING LIMESTONE | 8764 | | | BONE SPRING LIMESTONE | 8764 |
| 2ND BONE SPRING | 10395 | | | 2ND BONE SPRING | 10395 |
| 3RD BONE SPRING | 11265 | | | 3RD BONE SPRING | 11265 |
| WOLFCAMP | 11496 | | | WOLFCAMP | 11496 |

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 #476132 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 ****

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
AUG 02 2019
RECEIVED

5. Lease Serial No.
NMNM128368

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
2208 W MAIN STREET
ARTESIA, NM 88210

3b. Phone No. (include area code)
Ph: 575-748-6940

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 34 T20S R34E Mer NMP SWSW 387FSL 660FWL
32.523392 N Lat, 103.554499 W Lon

8. Well Name and No.
LITTLE BEAR FEDERAL COM 6H

9. API Well No.
30-025-45102

10. Field and Pool or Exploratory Area
WILDCAT; WOLFCAMP

11. County or Parish, State
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 checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Deepen |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Alter Casing |
| | <input type="checkbox"/> Hydraulic Fracturing |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Change Plans |
| | <input type="checkbox"/> Plug and Abandon |
| | <input type="checkbox"/> Convert to Injection |
| | <input type="checkbox"/> Plug Back |
| | <input type="checkbox"/> Production (Start/Resume) |
| | <input type="checkbox"/> Reclamation |
| | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Water Disposal |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Well Integrity |
| | <input checked="" type="checkbox"/> Other Hydraulic Fracture |

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 recompleat 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 recompleat 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.

2/17/19 Test annulus to 1500# Set Composite Bridge plug @ 16,219' and test csg to 9475#. Good test.
4/19/19 to 4/26/19 Perf 11,792-16,194' (690). Acdz w/34,818 gal 7 1/2%; frac w/ 9,222,294# sand & 7,799,232 gal fluid.
5/29/19 Drilled out CFP's. Clean down to PBDT @16,216'.
6/10/19 6/12/19 Set 2 7/8" 6.5# L-80 tbg @ 10,577' packer @ 10,567'. Installed gas lift system.
6/21/19 Began flowing back & testing. Date of first production.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #476130 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 ****