

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

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 - 025-43693 | ⁵ Pool Name Bobcat Draw; Upper Wolfcamp | ⁶ Pool Code 98094 |
| ⁷ Property Code 317530 | ⁸ Property Name Columbus Federal Com | ⁹ Well Number 22H |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 34 | 25S | 33E | | 210 | North | 1300 | East | 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 |
|-----------------------------|--|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| P | 3 | 26S | 33E | | 230 | South | 980 | East | Lea |
| ¹² Lse Code F | ¹³ Producing Method Code F | ¹⁴ Gas Connection Date 3/12/18 | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date | | | | |

III. Oil and Gas Transporters

| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|---|---------------------|
| | Alpha Crude Connector Pipeline | O |
| 298751 | Energy Transfer 2001 Bryan Street - Ste 3700 Dallas, TX 75201 | G |
| | | |
| | | |
| | | |

IV. Well Completion Data

| | | | | | |
|-----------------------------------|-------------------------------------|----------------------------|------------------------------|--|-----------------------|
| ²¹ Spud Date 4/6/17 | ²² Ready Date 3/10/18 | ²³ TD 22360' | ²⁴ PBTD 22257' | ²⁵ Perforations 12639-22235' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 26" | 20" | 1110' | 1750 | | |
| 17 1/2" | 13 3/8" | 5014' | 3400 | | |
| 12 1/4" | 9 5/8" | 11760' | 1600 | | |
| 8 1/2" | 5 1/2" | 22330' | 3800 | | |
| | 2 7/8" | 11973' | | | |

V. Well Test Data

| | | | | | |
|---------------------------------------|--|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| ³¹ Date New Oil 3/11/18 | ³² Gas Delivery Date 3/12/18 | ³³ Test Date 3/11/18 | ³⁴ Test Length 24 Hrs | ³⁵ Tbg. Pressure 4500# | ³⁶ Csg. Pressure 1800# |
| ³⁷ Choke Size 18/64" | ³⁸ Oil 93 | ³⁹ Water 2015 | ⁴⁰ Gas 587 | | ⁴¹ Test Method 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.

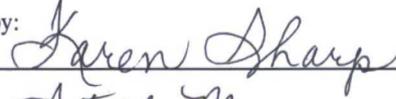
Signature: 

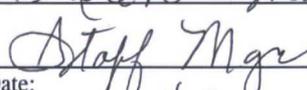
Printed name:
Stormi Davis
Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
3/28/18
Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by: 

Title: 

Approval Date: 4-3-18

Pending BLM approvals will subsequently be reviewed and scanned

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
APR 9 3 2018
RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

| | | |
|--|--|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM119277 |
| 2. Name of Operator COG OPERATING LLC | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 2208 WEST MAIN ARTESIA, NM 88210 | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3b. Phone No. (include area code) Ph: 575-748-6946 | | 8. Well Name and No. COLUMBUS FEDERAL COM 22H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T25S R33E Mer NMP NENE 210FNL 1300FEL | | 9. API Well No. 30-025-43693 |
| | | 10. Field and Pool or Exploratory Area BOBCAT DRAW;UP 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 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 | |
| | <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.

9/7/17 to 2/8/18 Test annulus to 1500# for 15 mins. Set CBP @ 22257' and test to 8535#. Test csg to 11516#. Good test. Perf 12639-22235' (2816). Acdz w/196,728 gals 7 1/2%; frac w/19,242,546# sand and 19,630,422 gals fluid.

2/14/18 to 2/20/18 Drilled out CFP's. Clean down to CBP @ 22257'.

3/1/18 Set 2 7/8" 6.5# L-80 tbg @ 11973' & pkr @ 11957'. Installed gas-lift system.

3/10/18 Began flowing back & testing.

3/11/18 Date of first production.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #409525 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs

| | |
|-----------------------------------|-----------------|
| Name (Printed/Typed) STORMI DAVIS | Title PREPARER |
| Signature (Electronic Submission) | Date 03/28/2018 |

THIS SPACE FOR FEDERAL OR STATE

| | |
|---|-------------|
| Approved By _____ | Title _____ |
| 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 _____ | |

Pending BLM approvals will subsequently be reviewed and scanned

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 ****

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

HOBBS OCD
APR 03 2018
RECEIVED

| | | | |
|--|--|---|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM119277 | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____ | | 6. If Indian, Allottee or Tribe Name | |
| 2. Name of Operator COG OPERATING LLC | | 7. Unit or CA Agreement Name and No. | |
| Contact: STORMI DAVIS E-Mail: sdavis@concho.com | | 8. Lease Name and Well No. COLUMBUS FEDERAL COM 22H | |
| 3. Address 2208 WEST MAIN ARTESIA, NM 88210 | | 9. API Well No. 30-025-43693 | |
| 3a. Phone No. (include area code) Ph: 575-748-6946 | | 10. Field and Pool, or Exploratory BOBCAT DRAW; UP WOLFCAMP | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 34 T25S R33E Mer NMP At surface NENE 210FNL 1300FEL At top prod interval reported below Sec 3 T26S R33E Mer NMP At total depth SESE 230FSL 980FEL | | 11. Sec., T., R., M., or Block and Survey or Area Sec 34 T25S R33E Mer NMP | |
| 12. County or Parish LEA | | 13. State NM | |
| 14. Date Spudded 04/06/2017 | | 15. Date T.D. Reached 05/30/2017 | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/10/2018 | | 17. Elevations (DF, KB, RT, GL)* 3325 GL | |
| 18. Total Depth: MD 22360 TVD 12483 | | 19. Plug Back T.D.: MD 22257 TVD 12483 | |
| 20. Depth Bridge Plug Set: MD 22257 TVD 12483 | | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE | |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 26.000 | 20.000 K55 | 106.5 | 0 | 1110 | | 1750 | | 0 | |
| 17.500 | 13.375 L80 | 68.0 | 0 | 5014 | | 3400 | | 0 | |
| 12.250 | 9.625 L80 | 47.0 | 0 | 11760 | | 1600 | | 0 | |
| 8.500 | 5.500 P110 | 23.0 | 0 | 22330 | | 3800 | | 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 | 11973 | 11957 | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|-------|-----------|--------------|
| A) WOLFCAMP | 12639 | 22235 | 12639 TO 22235 | 0.430 | 2816 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 12639 TO 22235 | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/11/2018 | 03/11/2018 | 24 | → | 93.0 | 587.0 | 2015.0 | | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 18/64 | SI 4500 | 1800.0 | → | 93 | 587 | 2015 | | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
| | | | → | | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Statu. |
| | SI | | → | | | | | |

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #409534 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.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top |
|-----------------|-------|--------|------------------------------|----------------|-------------|
| | | | | | Meas. Depth |
| LAMAR | 4963 | 5018 | | RUSTLER | 1018 |
| BELL CANYON | 5019 | 6038 | | TOS | 1403 |
| CHERRY CANYON | 6039 | 7653 | | BOS | 4695 |
| BRUSHY CANYON | 7654 | 9100 | | LAMAR | 4963 |
| BONE SPRING LM | 9101 | 10120 | | BELL CANYON | 5019 |
| 1ST BONE SPRING | 10121 | 10828 | | CHERRY CANYON | 6039 |
| 2ND BONE SPRING | 10829 | 11763 | | BRUSHY CANYON | 7654 |
| 3RD BONE SPRING | 11764 | 12261 | | BONE SPRING LM | 9101 |

32. Additional remarks (include plugging procedure):
Surveys and Perfs/Stimulation are attached.

Additional Tops:
Wolfcamp: 12262'

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 #409534 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) STORMI DAVIS Title PREPARER

Signature _____ (Electronic Submission) Date 03/28/2018

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 ****

COLUMBUS FEDERAL COM #22H (30-025-43693)

| <u>Perfs</u> | <u>7 1/2% Acid (Gal)</u> | <u>Sand (#)</u> | <u>Fluid (Gal)</u> |
|---------------|--------------------------|-------------------|--------------------|
| 1 | 1512 | 300444 | 280308 |
| 2 | 3024 | 301073 | 304332 |
| 3 | 3234 | 301781 | 306852 |
| 4 | 3024 | 303205 | 305718 |
| 5 | 3024 | 298190 | 309750 |
| 6 | 3024 | 300778 | 306180 |
| 7 | 2940 | 301055 | 322518 |
| 8 | 2982 | 301060 | 315336 |
| 9 | 3234 | 299875 | 299208 |
| 10 | 3024 | 299598 | 309834 |
| 11 | 3024 | 301918 | 357756 |
| 12 | 3066 | 302790 | 306054 |
| 13 | 3024 | 301338 | 314958 |
| 14 | 3024 | 300973 | 296268 |
| 15 | 4914 | 299257 | 324786 |
| 16 | 3024 | 300170 | 301896 |
| 17 | 2730 | 300943 | 296814 |
| 18 | 3024 | 301679 | 308196 |
| 19 | 2940 | 302728 | 301728 |
| 20 | 3024 | 302327 | 306222 |
| 21 | 3024 | 300857 | 307272 |
| 22 | 3024 | 298267 | 293706 |
| 23 | 3024 | 301254 | 301266 |
| 24 | 2982 | 302763 | 361284 |
| 25 | 3024 | 301566 | 298242 |
| 26 | 2856 | 298877 | 292110 |
| 27 | 3066 | 299854 | 300426 |
| 28 | 3150 | 300878 | 302400 |
| 29 | 3024 | 303737 | 298158 |
| 30 | 3024 | 300869 | 299838 |
| 31 | 3024 | 301325 | 296478 |
| 32 | 3024 | 295415 | 291186 |
| 33 | 3024 | 300444 | 317394 |
| 34 | 3024 | 303587 | 299838 |
| 35 | 3024 | 302810 | 294168 |
| 36 | 3276 | 300644 | 290430 |
| 37 | 3066 | 301212 | 299796 |
| 38 | 3024 | 299292 | 296478 |
| 39 | 3024 | 300010 | 298746 |
| 40 | 3024 | 299647 | 325584 |
| 41 | 3024 | 300427 | 293832 |
| 42 | 3108 | 298982 | 303954 |
| 43 | 3024 | 299533 | 299040 |
| 44 | 3024 | 301101 | 297822 |
| 45 | 3024 | 301481 | 299166 |
| 46 | 3024 | 299834 | 300216 |
| 47 | 3024 | 299851 | 300426 |
| 48 | 2772 | 300407 | 373128 |
| 49 | 2982 | 300458 | 325206 |
| 50 | 3024 | 299964 | 314412 |
| 51 | 3024 | 299906 | 332388 |
| 52 | 3066 | 301220 | 312606 |
| 53 | 3066 | 194536 | 259350 |
| 54 | 3024 | 310549 | 308364 |
| 55 | 2940 | 313660 | 319032 |
| 56 | 3024 | 305369 | 318234 |
| 57 | 3024 | 309916 | 299376 |
| 58 | 3024 | 307081 | 304164 |
| 59 | 3108 | 310235 | 304794 |
| 60 | 3024 | 314080 | 305172 |
| 61 | 3024 | 311879 | 302274 |
| 62 | 3066 | 310830 | 302946 |
| 63 | 5712 | 314919 | 314538 |
| 64 | 3024 | 301838 | 300468 |
| Totals | 196,728 | 19,242,546 | 19,630,422 |