

DEC 27 2016

Oil Conservation Division

DEC 27 2016

See copy to appropriate District Office

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

| | | |
|--|--|---|
| ¹ Operator name and Address COG Operating LLC One Concho Center 600 W. Illinois Ave. Midland, TX 79701 | | ² OGRID Number 229137 |
| | | ³ Reason for Filing Code/ Effective Date NW Effective 11/21/16 |
| ⁴ API Number 30 - 015 - 413181 | ⁵ Pool Name Red Lake; Glorieta-Yeso, Northeast | ⁶ Pool Code 40314 |
| ⁷ Property Code 40314 | ⁸ Property Name Beech 25 Federal | ⁹ Well Number 12H |

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 | 25 | 17S | 27E | | 481 | South | 237 | West | Eddy |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| O | 25 | 17S | 27E | | 398 | South | 1678 | East | Eddy |

| | | | | | |
|-----------------------------|--|---|-----------------------------------|------------------------------------|-------------------------------------|
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 11/21/16 | 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 |
|---------------------------------|--|---------------------|
| 27841 | Navajo Refining Company | O |
| 36785 | DCP Midstream | G |
| | | |
| | | |

IV. Well Completion Data

| | | | | | |
|------------------------------------|--------------------------------------|------------------------------------|----------------------------|---|-----------------------|
| ²¹ Spud Date 9/27/16 | ²² Ready Date 11/21/16 | ²³ TD 7277MD 3950TVD | ²⁴ PBTD 7210 | ²⁵ Perforations 4190 - 7190 | ²⁶ DHC, MC |
|------------------------------------|--------------------------------------|------------------------------------|----------------------------|---|-----------------------|

| | | | |
|-------------------------|------------------------------------|-------------------------|----------------------------|
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement |
| 17-1/2 | 13-3/8 | 360 | 1025sx |
| 12-1/4 | 9-5/8 | 1010 | 375sx |
| 8-3/4 | 7 | 3301 | |
| 8-3/4 | 5-1/2 | 7277 | 1025sx |
| | 2-7/8 tbg | 4060 | |

V. Well Test Data

| | | | | | |
|--|---|-------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| ³¹ Date New Oil 11/25/16 | ³² Gas Delivery Date 11/24/16 | ³³ Test Date 11/28/16 | ³⁴ Test Length 24hrs | ³⁵ Tbg. Pressure 70 | ³⁶ Csg. Pressure 70 |
| ³⁷ Choke Size | ³⁸ Oil 202 | ³⁹ Water 2156 | ⁴⁰ Gas 129 | | ⁴¹ Test Method P |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 27 2016

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.

5. Lease Serial No.
NMLC058181

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

8. Well Name and No.
BEECH 25 FEDERAL 12H

2. Name of Operator
COG OPERATING LLC

Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

9. API Well No.
30-015-43181

3a. Address
600 W ILLINOIS AVE
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-685-4332

10. Field and Pool or Exploratory Area
RED LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T17S R27E Mer NMP 481FSL 237FWL

11. County or Parish, State
EDDY 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 Drilling Operations |
| | <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 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.

10/10/16 Test csg to 4200psi, good test.
10/12/16 Drilled 10' of new formation to 7287. Spotted 500 gals acid.
10/24/16 Pressure test frac valve to 6200#, good test.
11/14/16 - 11/16/16 Perf 17 stages @ 4190 ? 7190 w/6 SPF, 612 holes. Acidize 17 stages w/66,455 gals 15% HCL. Frac w/148,260 gals treated water, 3,219,300 gals slick water, 997,260# 100 mesh sand, 1,667,160# 40/70 White sand, 352,320# 40/70 Garnet sand.
11/18/16 Drill out plugs. Clean out to PBTD 7210.
11/21/16 RIH w/ESP, 122jts 2-7/8" J55 tbg, EOT @ 4060? Hang on.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #361565 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 12/20/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

or agency of the United

(Instructions on page 2)

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

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 27 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | | | |
|--|--|-------------------------------------|---|--|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | | 6. If Indian, Allottee or Tribe Name | | |
| 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 _____ | | | 7. Unit or CA Agreement Name and No. | | |
| 2. Name of Operator COG OPERATING LLC | | | 8. Lease Name and Well No. BEECH 25 FEDERAL 12H | | |
| Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com | | | | | |
| 3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701 | | | 9. API Well No. 30-015-43181 | | |
| 3a. Phone No. (include area code) Ph: 432-685-4332 | | | | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot M 481FSL 237FWL At top prod interval reported below Lot M 390FSL 330FWL At total depth Lot O 398FSL 1678FEL | | | 10. Field and Pool, or Exploratory RED LAKE, GLORIETA-YESO | | |
| | | | 11. Sec., T., R., M., or Block and Survey or Area Sec 25 T17S R27E Mer NMP | | |
| | | | 12. County or Parish EDDY | | |
| | | | 13. State NM | | |
| 14. Date Spudded 09/27/2016 | | 15. Date T.D. Reached 10/05/2016 | | 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/21/2016 | |
| 17. Elevations (DF, KB, RT, GL)* 3586 GL | | | | | |
| 18. Total Depth: MD 7277 TVD 3950 | | 19. Plug Back T.D.: MD 7210 TVD | | 20. Depth Bridge Plug Set: MD TVD | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN | | | | 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 checked="" type="checkbox"/> No <input 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250 | 9.625 J55 | 40.0 | | 1010 | | 375 | | | |
| 8.750 | 7.000 L80 | 29.0 | | 3301 | | | | | |
| 8.750 | 5.000 L80 | 17.0 | | 7277 | | 2100 | | | |
| 17.500 | 13.375 J55 | 54.5 | 0 | 360 | | 1025 | | 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 | 4060 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO | 4190 | 7190 | 4190 TO 7190 | 0.430 | 612 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 4190 TO 7190 | ACIDIZE W/ 66,455 15% ACID, FRAC W/ 148,260 GALS TREATED WATER, 3,219,300 GALS SLICK WATER, |
| | |
| | |
| | |

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

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 11/24/2016 | 11/28/2016 | 24 | → | 202.0 | 129.0 | 2156.0 | 39.4 | 0.60 | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | 70.0 | → | 202 | 129 | 2156 | 638 | 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. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status |
| | | | → | | | | | |

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #361663 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 |
|------------|------|--------|------------------------------|----------------------|--------------------|
| QUEEN | 941 | | SANDSTONE | QUEEN | 941 |
| GRAYBURG | 1370 | | SANDSTONE & DOLOMITE | GRAYBURG | 1370 |
| SAN ANDRES | 1720 | | DOLOMITE & LIMESTONE | SAN ANDRES | 1720 |
| PADDOCK | 3148 | | DOLOMITE & ANHYDRITE | PADDOCK | 3148 |
| BLINEBRY | 3646 | | DOLOMITE & ANHYDRITE | DOLOMITE & ANHYDRITE | 3646 |

32. Additional remarks (include plugging procedure):
Logs will be submitted in WIS.

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 #361663 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) KANICIA CASTILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 12/20/2016

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.

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