

District I
4625 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 One Concho Center 600 W. Illinois Ave. Midland, TX 79701 | | ² OGRID Number 229137 |
| | | ³ Reason for Filing Code/ Effective Date NW Effective 12/15/16 |
| ⁴ API Number 30 - 015 - 42995 | ⁵ Pool Name Dodd; Glorieta-Upper Yeso | ⁶ Pool Code 97917 |
| ⁷ Property Code 308195 | ⁸ Property Name Dodd Federal Unit | ⁹ Well Number 921H |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I | 14 | 17S | 29E | | 1650 | South | 200 | East | 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 |
|-----------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| L | 14 | 17S | 29E | | 1666 | South | 141 | West | Eddy |
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 12/15/16 | 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 Crude Oil Marketing | O |
| 36785 | Frontier Energy Services | G |
| | DCP Midstream | G |

IV. Well Completion Data

| | | | | | |
|-------------------------------------|--------------------------------------|------------------------------------|----------------------------|---|-----------------------|
| ²¹ Spud Date 10/17/16 | ²² Ready Date 12/15/16 | ²³ TD 9719MD 4876TVD | ²⁴ PBSD 9612 | ²⁵ Perforations 5152 - 9592 | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17-1/2 | 13-3/8 | 315 | 950sx | | |
| 12-1/4 | 9-5/8 | 1008 | 450sx | | |
| 8-3/4 | 7 | 4187 | | | |
| 8-3/4 | 5-1/2 | 9680 | 2200sx | | |
| | 2-7/8 tbg | 4912 | | | |

V. Well Test Data

| | | | | | |
|--|---|-------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| ³¹ Date New Oil 12/16/16 | ³² Gas Delivery Date 12/17/16 | ³³ Test Date 12/19/16 | ³⁴ Test Length 24hrs | ³⁵ Tbg. Pressure 70 | ³⁶ Csg. Pressure 70 |
| ³⁷ Choke Size | ³⁸ Oil 480 | ³⁹ Water 2131 | ⁴⁰ Gas 642 | ⁴¹ Test Method P | |

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:

Kanicia Castillo

Title:

Lead Regulatory Analyst

E-mail Address:

kcastillo@concho.com

Date:

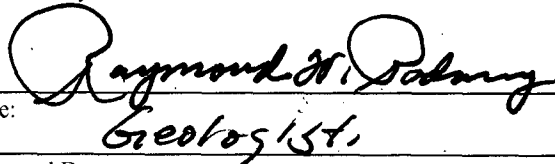
1/8/17

Phone:

432-685-4332

OIL CONSERVATION DIVISION

Approved by:


Geologist

Approval Date:

3-8-2017

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMLC028731B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
NMNM111789X8. Well Name and No.
DODD FEDERAL UNIT 921H

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com9. API Well No.
30-015-429953a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-433210. Field and Pool or Exploratory Area
DODD; GLORIETA-UPPER YESO

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

Sec 14 T17S R29E Mer NMP 1650FSL 200FEL

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 |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Drilling Operations |
| | <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.

11/16/16 Test csg to 4500psi for 15min, good.

11/17/16 Drilled 39' of new formation to 9719. Spotted 2000 gals acid.

11/21/16 Pressure test frac valve to 7200#, good test.

11/21/16 - 12/02/16 Perf 28 stages @ 5152 ? 9592 w/6 SPF, 1008 holes. Acidize 28 stages w/107,422

gals 15% HCL. Frac w/627,269 gals treated water, 6,679,218 gals slick water, 2,079,080# 100 mesh

sand, 3,725,120# 40/70 white sand, 771,220# 40/70 CRC.

12/12/16 ? 12/14/16 Drill out plugs. Clean out to PBD 9612.

12/15/16 RIH w/ESP, 149jts 2-7/8" J55 tbg, EOT @ 4912. Hang on.

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 12 2017

RECEIVED

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

**Electronic Submission #363205 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 01/08/2017

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

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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED**Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 12 2017

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC028731B

| | | | | | |
|--|--|--|--|--|---|
| 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. Resyr. Other _____ | | | 7. Unit or CA Agreement Name and No. NMNM111789X | | |
| 2. Name of Operator COG OPERATING LLC | | | Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com | | |
| 3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701 | | | 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 I 1650FSL 200FEL At top prod interval reported below Lot I 1762FSL 330FEL At total depth Lot L 1666FSL 141FWL | | | 8. Lease Name and Well No. DODD FEDERAL UNIT 921H | | |
| 14. Date Spudded 10/17/2016 | | | 15. Date T.D. Reached 10/29/2016 | | 9. API Well No. 30-015-42995 |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/15/2016 | | | 10. Field and Pool, or Exploratory DODD:GLORIETA-UPPER YESO | | |
| 18. Total Depth: MD 9612 TVD 4876 | | | 19. Plug Back T.D.: MD 9612 TVD | | 11. Sec., T., R., M., or Block and Survey or Area Sec 14 T17S R29E Mer NMP |
| 20. Depth Bridge Plug Set: MD TVD | | | 12. County or Parish EDDY | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN | | | 13. State NM | | |
| 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) | | | 17. Elevations (DF, KB, RT, GL)* 3620 GL | | |

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 |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12.250 | 9.625 J55 | 40.0 | | 1009 | | 450 | | | |
| 8.750 | 7.000 L80 | 29.0 | | 4187 | | | | | |
| 8.750 | 5.000 L80 | 17.0 | | 9680 | | 2200 | | | |
| 17.500 | 13.375 J55 | 54.5 | 0 | 315 | | 950 | | 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 | 4912 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO | 5152 | 9592 | 5152 TO 9592 | 0.430 | 1008 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 5152 TO 9592 | ACIDIZE W/ 107.422 15% ACID, FRAC W/ 627,269 GALS TREATED WATER, 6,679,218 GALS SLICK WATER, |

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 |
|---------------------|----------------------|------------------|-----------------|-------------|-------------|----------------|-----------------------|-----------------|---------------------------|
| 12/16/2016 | 12/19/2016 | 24 | → | 480.0 | 642.0 | 2131.0 | 37.5 | 0.60 | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate → | Oil BBL 480 | Gas MCF 642 | Water BBL 2131 | Gas:Oil Ratio 1337 | Well Status 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. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |

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

ELECTRONIC SUBMISSION #363206 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will
subsequently be reviewed
and scanned

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 |
|------------|------|--------|------------------------------|------------|--------------------|
| RUSTLER | 274 | | | RUSTLER | 274 |
| QUEEN | 1908 | | | QUEEN | 1908 |
| GRAYBURG | 2301 | | | GRAYBURG | 2301 |
| SAN ANDRES | 2596 | | | SAN ANDRES | 2596 |
| PADDOCK | 4082 | | | PADDOCK | 4082 |
| BLINEBRY | 4582 | | | BLINEBRY | 4582 |
| | | | SANDSTONE | | |
| | | | SANDSTONE & DOLOMITE | | |
| | | | DOLOMITE & LIMESTONE | | |
| | | | DOLOMITE & ANHYDRITE | | |
| | | | DOLOMITE & ANHYDRITE | | |

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 #363206 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 01/08/2017

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 **