

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

Submit one copy to appropriate District Office

OCT 31 P.M. /

☐ 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 9/30/16 ✓ |
| ⁴ API Number 30 - 025-43131 ✓ | ⁵ Pool Name Maljamar; Yeso, West | ⁶ Pool Code 44500 ✓ |
| ⁷ Property Code 315671 | ⁸ Property Name Ragnar Federal Com | ⁹ Well Number 25H |

II. ¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|---------------|
| Ul or lot no. B | Section 22 | Township 17S | Range 32E | Lot Idn | Feet from the 185 | North/South Line North | Feet from the 2358 | East/West line East | County Lea |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|---------------|

¹¹ Bottom Hole Location

| | | | | | | | | | |
|-----------------------------|--|--|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot no. B | Section 15 | Township 17S | Range 32E | Lot Idn | Feet from the 352 | North/South line North | Feet from the 2281 | East/West line East | County Lea |
| ¹² Lse Code F | ¹³ Producing Method Code P ✓ | ¹⁴ Gas Connection Date 9/30/16 | 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 | HollyFrontier Refining & Marketing LLC | O |
| 36785 | Frontier | G |
| | | |
| | | |
| | | |

IV. Well Completion Data

| | | | | | |
|--------------------------------------|--|---|-----------------------------------|---|-----------------------|
| ²¹ Spud Date 6/14/16 ✓ | ²² Ready Date 9/30/16 ✓ | ²³ TD 11,146MD, 6280TVD ✓ | ²⁴ PBTB 11,068 ✓ | ²⁵ Perforations 6608 - 11,048 ✓ | ²⁶ DHC, MC |
| ²⁷ Hole Size 17-1/2 | ²⁸ Casing & Tubing Size 13-3/8 | ²⁹ Depth Set 759 | ³⁰ Sacks Cement 825 | | |
| 12-1/4 | 9-5/8 | 2210 | 675 | | |
| 8-3/4 | 7 | 5629 | | | |
| 7-7/8 | 5-1/2 | 11,136 | 2850 | | |
| | 2-7/8 tbg | 5725 | | | |

V. Well Test Data

| | | | | | |
|--|---|---------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| ³¹ Date New Oil 10/12/16 ✓ | ³² Gas Delivery Date 10/12/16 ✓ | ³³ Test Date 10/14/16 ✓ | ³⁴ Test Length 24hrs | ³⁵ Tbg. Pressure 70 | ³⁶ Csg. Pressure 70 |
| ³⁷ Choke Size | ³⁸ Oil 370 ✓ | ³⁹ Water 1550 ✓ | ⁴⁰ Gas 204 ✓ | | 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:  | | OIL CONSERVATION DIVISION | |
| Printed name: Kanicia Castillo | | Approved by:  | |
| Title: Lead Regulatory Analyst | | Title: Dist Supervisor | |
| E-mail Address: kcastillo@concho.com | | Approval Date: 11-16-16 ✓ | |
| Date: 10/26/16 | Phone: 432-685-4332 | Pending BLM approvals will subsequently be reviewed and scanned | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

| | | |
|--|--|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMLC029509B |
| 2. Name of Operator COG OPERATING LLC | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701 | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3b. Phone No. (include area code) Ph: 432-685-4332 | | 8. Well Name and No. RAGNAR FEDERAL COM 25H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T17S R32E Mer NMP 185FNL 2358FEL | | 9. API Well No. 30-025-43131 |
| | | 10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST |
| | | 11. County or Parish, and State LEA COUNTY, NM |

12. CHECK 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"/> Fracture Treat | <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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

7/06/16 Test csg to 4500psi for 10mins, good.
7/07/16 Drilled 10' of new formation to 10,471. Spotted 500 gals acid.
7/11/16 Pressure test frac valve to 7200#, good test.
7/25/16 - 7/28/16 Perf 25 stages @ 6608 ? 11,048 w/6 SPF, 900 holes. Acidize 25 stages w/98,952 gals 7.5% HCL. Frac w/329,054 gals treated water, 4,731,392 gals FR water, 1,491,770# 100 mesh sand, 2,427,980# 40/70 White sand, 521,434# 40/70 CRC.
9/27/16 ? 9/28/16 Drill out plugs. Clean out to PBD 11,068.
9/30/16 RIH w/ESP, 172jts 2-7/8" J55 tbg, EOT @ 5725? Hang on.

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

**Electronic Submission #355904 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs**

| | |
|---------------------------------------|-----------------|
| Name (Printed/Typed) KANICIA CASTILLO | Title PREPARER |
| Signature (Electronic Submission) | Date 10/26/2016 |

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. to any department or agency of the United

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 31 P.M.

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029509B

| | | | | | |
|--|--|--|---|--|--|
| 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. RAGNAR FEDERAL COM 25H | | |
| Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com | | | 9. API Well No. 30-025-43131 | | |
| 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)* Sec 22 T17S R32E Mer NMP At surface Lot B 185FNL 2358FEL Sec 15 T17S R32E Mer NMP At top prod interval reported below Lot O 330FSL 2287FEL Sec 15 T17S R32E Mer NMP At total depth Lot B 352FNL 2281FEL | | | 10. Field and Pool, or Exploratory MALJMAR;YESO, WEST | | |
| 14. Date Spudded 06/14/2016 | | | 15. Date T.D. Reached 06/29/2016 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/30/2016 | | | 17. Elevations (DF, KB, RT, GL)* 4014 GL | | |
| 18. Total Depth: MD 11146 TVD 6280 | | | 19. Plug Back T.D.: MD 11068 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 | | 2210 | | 675 | | | |
| 8.750 | 7.000 L80 | 29.0 | | 5629 | | | | | |
| 8.750 | 5.000 L80 | 17.0 | | 11136 | | 2850 | | | |
| 17.500 | 13.375 J55 | 54.5 | 0 | 759 | | 825 | | 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 | 5725 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO | 6608 | 11048 | 6608 TO 11048 | 0.430 | 900 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 6608 TO 11048 | ACIDIZE W/ 98,952 7.5% ACID, FRAC W/ 329,054 GALS TREATED WATER, 4,731,392 GALS FR 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 |
|---------------------|----------------------|------------------|-----------------|-------------|-------------|----------------|-----------------------|-----------------|---------------------------|
| 10/12/2016 | 10/14/2016 | 24 | → | 370.0 | 204.0 | 1550.0 | 36.2 | 0.60 | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate → | Oil BBL 370 | Gas MCF 204 | Water BBL 1550 | Gas:Oil Ratio 551 | 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 | |

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #356024 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.)
FLARED

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 | 851 | | ANHYDRITE | RUSTLER | 851 |
| TANSIL | 2079 | | SALT | TANSIL | 2079 |
| QUEEN | 3167 | | SANDSTONE | QUEEN | 3167 |
| GRAYBURG | 3535 | | SANDSTONE & DOLOMITE | GRAYBURG | 3535 |
| SAN ANDRES | 3910 | | DOLOMITE & LIMESTONE | SAN ANDRES | 3910 |
| PADDOCK | 5474 | | DOLOMITE & ANHYDRITE | PADDOCK | 5474 |
| BLINEBRY | 6126 | | DOLOMITE & ANHYDRITE | BLINEBRY | 6126 |

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 #356024 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) KANICIA CASTILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 10/26/2016

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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