

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029406B

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Lin. Resv.
 Other _____

HOBBS OCD

6. If Indian, Allottee or Tribe Name

7. Unit on ~~APN~~ Name and No.
~~13409 5768~~

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CASTILLO**
E-Mail: **kanicia.castillo@cdevinc.com**

SEP 13 2018

8. Lease Name and Well No.
ZEPP0 5 FEDERAL COM 15H

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287**

3a. Phone No. (in ~~the area~~)
Ph: **720.499.1537**

RECEIVED

9. API Well No.
30-025-44140-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 5 T17S R32E Mer NMP
 At surface **SWNE 2490FNL 2335FEL 32.864094 N Lat, 103.787674 W Lon**
 At top prod interval reported below **NWSE 2310FSL 2289FEL 32.864094 N Lat, 103.787674 W Lon**
 Sec 8 T17S R32E Mer NMP
 At total depth **SWSE 59FSL 2284FEL 32.842068 N Lat, 103.787560 W Lon**

10. Field and Pool, or Exploratory
MALJAMAR

11. Sec., T., R., M., or Block and Survey
or Area **Sec 5 T17S R32E Mer NMP**

12. County or Parish
LEA

13. State
NM

14. Date Spudded
01/07/2018

15. Date T.D. Reached
01/22/2018

16. Date Completed
 D & A Ready to Prod.
05/31/2018

17. Elevations (DF, KB, RT, GL)*
4099 GL

18. Total Depth: **MD 13409 TVD 5768**

19. Plug Back T.D.: **MD 13120 TVD 5768**

20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN

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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250 | 9.625 J55 | 40.0 | | 2231 | | 650 | | | |
| 8.750 | 7.000 L80 | 29.0 | | 4889 | | | | | |
| 8.750 | 5.500 L80 | 17.0 | | 13297 | | 1150 | | | |
| 17.500 | 13.375 J55 | 54.5 | 0 | 1010 | | 700 | | 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 | 5819 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|------|-----------|--------------|
| A) YESO | 5882 | 13095 | 5882 TO 13095 | | | OPEN SLEEVES |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 5882 TO 13095 | ACIDIZE W/ 58,464 15% ACID, FRAC W/508,578 GALS TREATED WATER, 5,724,600 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 06/01/2018 | 06/06/2018 | 24 | → | 470.0 | 582.0 | 2795.0 | 41.0 | 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 | → | 470 | 582 | 2795 | 1238 | 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 | |
| | | | → | | | | | | |

ACCEPTED FOR RECORD
AUG 26 2018
Mitch Negrete
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #427680 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED**

Reclamation Due: 11/21/2018

1/9

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 | 926 | | SANDSTONE DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE | RUSTLER | 926 |
| QUEEN | 3193 | | | QUEEN | 3193 |
| GRAYBURG | 3653 | | | GRAYBURG | 3653 |
| SAN ANDRES | 3933 | | | SAN ANDRES | 3933 |
| GLORIETA | 5499 | | | GLORIETA | 5499 |
| PADDOCK | 5626 | | | PADDOCK | 5626 |

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

OCD will receive their logs via mail.

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 #427680 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/31/2018 (18DW0225SE)**

Name (please print) KANICIA CASTILLO Title SR REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 07/17/2018

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.

**** REVISED ** REVISED ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--|--|--|--|---|--|
| ¹ API Number 30-025-44140 | | ² Pool Code 44500 | | ³ Pool Name Maljamar ;Yeso, West | |
| ⁴ Property Code 319782 | | ⁵ Property Name ZEPP0 5 FEDERAL COM | | | ⁶ Well Number 15H |
| ⁷ OGRID NO. 229137 | | ⁸ Operator Name COG OPERATING, LLC | | | ⁹ Elevation 4099' |

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 |
|---------------|----------|------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| G | 5 | 17S | 32E | | 2490 | NORTH | 2335 | EAST | LEA |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|----------|------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| 0 | 8 | 17S | 32E | | 59 | SOUTH | 2284 | EAST | LEA |

| | | | |
|---|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 240 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

DETAIL "A"

GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N: 678523.6 - E: 708881.2
LAT: 32.86409342° N
LONG: 103.78767289° W

BOTTOM HOLE
N: 670510.8 - E: 708957.0
LAT: 32.84206920° N
LONG: 103.78756096° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"
N: 670449.0 - E: 705989.7

B: FOUND BRASS CAP "1913"
N: 673083.7 - E: 705979.1

C: FOUND 1-1/2" IRON PIPE
N: 675723.3 - E: 705965.0

D: FOUND BRASS CAP "1913"
N: 678363.7 - E: 705942.4

E: FOUND BRASS CAP "1913"
N: 681002.8 - E: 705922.6

F: FOUND BRASS CAP "1913"
N: 681021.0 - E: 711201.1

G: FOUND BRASS CAP "1913"
N: 678382.0 - E: 711216.6

H: FOUND PK NAIL
N: 675742.1 - E: 711243.8

I: FOUND BRASS CAP "1913"
N: 673102.5 - E: 711246.5

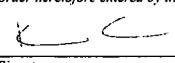
J: FOUND BRASS CAP "1912"
N: 670464.6 - E: 711264.7

K: FOUND BRASS CAP "1912"
N: 670454.6 - E: 708627.4

CALCULATED POINTS
1: N 678372.9 - E 708583.2
2: N 678377.5 - E 709899.8
3: N 670459.5 - E 709946.0

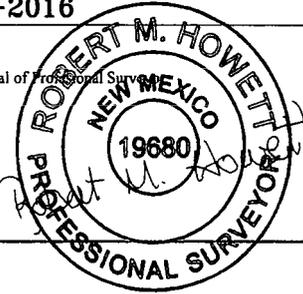
¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

 **7/17/18**
Signature Date
Kanicia Castillo
Printed Name
kcastillo@concho.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10-31-2016
Date of Survey
Signature and Seal of Professional Surveyor

19680
Certificate Number