



Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM86025

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
COG OPERATING LLC  
Contact: SANDY BALLARD  
E-Mail: sballard@concho.com

8. Lease Name and Well No.  
MCINTYRE DK FEDERAL 22

3. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE  
MIDLAND, TX 79701  
3a. Phone No. (include area code)  
Ph: 432-685-4373

9. API Well No.  
30-015-40900-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface SESE 1065FSL 1175FEL

At top prod interval reported below SESE 1065FSL 1175FEL

At total depth SESE 1065FSL 1175FEL

10. Field and Pool, or Exploratory  
LOCO HILLS GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey  
or Area Sec 17 T17S R30E Mer NMP

12. County or Parish  
EDDY  
13. State  
NM

14. Date Spudded  
06/29/2013

15. Date T.D. Reached  
07/05/2013

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/01/2013

17. Elevations (DF, KB, RT, GL)\*  
3671 GL

18. Total Depth: MD 4814  
TVD

19. Plug Back T.D.: MD 4757  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUT HGNS

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 |
|-----------|-------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 H-40 | 48.0        | 0        | 308         |                      | 400                         |                   | 0           |               |
| 11.000    | 8.625 J-55  | 24.0        | 0        | 1114        |                      | 500                         |                   | 0           |               |
| 7.875     | 5.500 J-55  | 17.0        | 0        | 4804        | 4181                 | 1200                        |                   | 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 | 4671           |                   |      |                |                   |      |                |                   |

**25. Producing Intervals**

**26. Perforation Record**

| Formation  | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------|------|--------|---------------------|------|-----------|--------------|
| A) PADDOCK | 4280 | 4520   | 4280 TO 4520        |      | 25        | OPEN PADDOCK |
| B)         |      |        |                     |      |           |              |
| C)         |      |        |                     |      |           |              |
| D)         |      |        |                     |      |           |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 4280 TO 4520   | ACIDIZE W/2,500 GALS 15% HCL. FRAC W/120,736 GALS GEL, 137,072# 16/30 WHITE SAND, 21,505# SIBERPROP |
|                |   |
|                |   |

**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     |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 08/02/2013          | 08/11/2013           | 24           | →               | 50.0    | 113.0   | 174.0     | 37.4                  | 0.60        | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                       |
|                     |                      | 75.0         | →               | 50      | 113     | 174       | 2260                  | 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 #221756 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

RECLAMATION

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## 28b. Production - Interval C

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr.<br>Rate<br>→  | Oil BBL | Gas MCF | Water BBL | Gas:Oil<br>Ratio         | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr.<br>Rate<br>→  | Oil BBL | Gas MCF | Water BBL | Gas:Oil<br>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    | 275  | 780    | ANHYDRITE                    | RUSTLER    | 275         |
| SALADO     | 564  |        | SALT                         | SALADO     | 564         |
| YATES      | 1180 |        | SANDSTONE                    | YATES      | 1180        |
| QUEEN      | 2057 |        | SANDSTONE                    | QUEEN      | 2057        |
| GRAYBURG   | 2450 |        | SANDSTONE                    | GRAYBURG   | 2450        |
| SAN ANDRES | 2755 |        | DOLOMITE & LIMESTONE         | SAN ANDRES | 2755        |
| GLORIETA   | 4209 |        | SANDSTONE                    | GLORIETA   | 4209        |
| PADDOCK    | 4274 |        | DOLOMITE & ANHYDRITE         | PADDOCK    | 4274        |

32. Additional remarks (include plugging procedure):  
Logs will be mailed

## 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 #221756 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by JUNE CARRASCO on 10/25/2013 (14JNC0151SE)

Name (please print) SANDY BALLARD

Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 10/01/2013

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.