

Submit To Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Avenue, 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 and Natural Resources



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

Form C-105  
Revised June 10, 2003

WELL API NO.

30-015-36351

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion.

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF  
WELL OVER BACK RESER ☐ OTHER ☐

2 Name of Operator

COG Operating LLC

3 Address of Operator

550 W. Texas Ave., Suite 1300 Midland, TX 79701

4 Well Location

Unit Letter **O** **740** Feet From The **South** Line and **2350** Feet From The **East** Line  
Section **16** Township **17S** Range **31E** NMPM **Eddy** County

10 Date Spudded

12/26/09

11 Date T D Reached

01/05/10

12 Date Compl (Ready to Prod)

01/26/10

13 Elevations (DF& RKB, RT, GR, etc)

3804 GR

14 Elev Casinghead

15 Total Depth

6498

16 Plug Back T D.

6446

17 If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

19 Producing Interval(s), of this completion - Top, Bottom, Name

4920-6290

Yeso

20 Was Directional Survey Made

No

21 Type Electric and Other Logs Run

CN / HNGS, Micro CFL / HNGS

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB /FT | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|------------------|---------------|
| 13-3/8      | 48            | 460       | 17-1/2    | 500              |               |
| 8-5/8       | 32            | 1558      | 11        | 1100             |               |
| 5-1/2       | 17            | 6498      | 7-7/8     | 1200             |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |
|      |     |        |              |        |

25. TUBING RECORD

| SIZE  | DEPTH SET | PACKER SET |
|-------|-----------|------------|
| 2-7/8 | 6039      |            |
|       |           |            |

26 Perforation record (interval, size, and number)

4920 - 5130 1 SPF, 26 holes OPEN  
5550 - 5750 1 SPF, 26 holes OPEN  
5820 - 6020 1 SPF, 26 holes OPEN  
6090 - 6290 1 SPF, 26 holes OPEN

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 4920 - 5130    | See attachment                |
| 5550 - 5750    | See attachment                |
| 5820 - 6020    | See attachment                |
| 6090 - 6290    |                               |

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PRODUCTION

Date First Production

02/19/10

Production Method (Flowing, gas lift, pumping - Size and type pump)

2-1/2 x 2-1/4" x 24' pump

Well Status (Prod. or Shut-in)

Producing

| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|--------------|--------------|------------|------------------------|-----------|-----------|--------------|-----------------|
| 02/19/10     | 24           |            |                        | 136       | 181       | 413          |                 |

| Flow Tubing Press | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl | Oil Gravity - API - (Corr) |
|-------------------|-----------------|-------------------------|------------|-----------|-------------|----------------------------|
|                   |                 |                         |            |           |             | 36.1                       |

29 Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Kent Greeway

30 List Attachments

Logs, C102, C103, Deviation Report, C104

31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

*C. Jackson*

Printed

Name Chasity Jackson Title Agent for COG

Date 3/01/10

E-mail Address cjackson@conchoresources.com

*WZ*

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico   |                            | Northwestern New Mexico |                  |
|---------------------------|----------------------------|-------------------------|------------------|
| T. Anhy                   | T. Canyon                  | T. Ojo Alamo            | T. Penn. "B"     |
| T. Salt                   | T. Strawn                  | T. Kirtland-Fruitland   | T. Penn. "C"     |
| B. Salt                   | T. Atoka                   | T. Pictured Cliffs      | T. Penn. "D"     |
| T. Yates <u>1657</u>      | T. Miss                    | T. Cliff House          | T. Leadville     |
| T. 7 Rivers               | T. Devonian                | T. Menefee              | T. Madison       |
| T. Queen <u>2583</u>      | T. Silurian                | T. Point Lookout        | T. Elbert        |
| T. Grayburg               | T. Montoya                 | T. Mancos               | T. McCracken     |
| T. San Andres <u>3309</u> | T. Simpson                 | T. Gallup               | T. Ignacio Otzte |
| T. Glorieta <u>4817</u>   | T. McKee                   | Base Greenhorn          | T. Granite       |
| T. Paddock                | T. Ellenburger             | T. Dakota               | T.               |
| T. Blinebry               | T. Gr. Wash                | T. Morrison             | T.               |
| T. Tubb <u>6354</u>       | T. Delaware Sand           | T. Todilto              | T.               |
| T. Drinkard               | T. Bone Spring             | T. Entrada              | T.               |
| T. Abo                    | T. <u>Morrow</u>           | T. Wingate              | T.               |
| T. Wolfcamp               | T. <u>Yeso</u> <u>4885</u> | T. Chinle               | T.               |
| T. Penn                   | T.                         | T. Permian              | T.               |
| T. Cisco (Bough C)        | T.                         | T. Penn "A"             | T.               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

## IMPORTANT WATER SANDS

**Include data on rate of water inflow and elevation to which water rose in hole.**

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

**Willow State #9**  
**API#: 30-015-36351**  
**EDDY, NM**

**C-105 (#27) ADDITIONAL INFORMATION**

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                                              |
|-------------------------------------------------|----------------------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                |
| 4920 - 5130                                     | Acidize w/ 3,000 gals acid.                  |
|                                                 | Frac w/116,000 gals gel, 125,775# White Sand |
|                                                 | 25,793# 16/30 Siberprop Sand.                |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                                               |
|-------------------------------------------------|-----------------------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                 |
| 5550 - 5750                                     | Acidize w/ 2,500 gals acid.                   |
|                                                 | Frac w/ 125,000 gals gel, 142,086# White Sand |
|                                                 | 30,146# 16/30 Siberprop sand.                 |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                                               |
|-------------------------------------------------|-----------------------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                 |
| 5820 - 6020                                     | Acidize w/ 2,500 gals acid.                   |
|                                                 | Frac w/ 126,000 gals gel, 147,762 White Sand, |
|                                                 | 34,389# 16/30 Siberprop sand.                 |

| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                                              |
|-------------------------------------------------|----------------------------------------------|
| DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED                |
| 6090 - 6290                                     | Acidize w/ 2,500 gals acid.                  |
|                                                 | Frac w/126,000 gals gel, 149,024# White Sand |
|                                                 | 32,597# 16/30 Siberprop Sand.                |