

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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| 1. 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 type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resrv., Other <u>DHC 3597 - Delaware and Bone Spring</u> | | | | | | | | | | 7. Unit or CA Agreement Name and No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Name of Operator COG Operating LLC | | | | | | | | | | | | | | | | | | | | 8. Lease Name and Well No. Prohibition 12 Federal #7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Address 550 W. Texas, Suite 1300, Midland, TX 79701 | | | | | | | | | | 3a. Phone No. (include area code) 432-685-4340 | | | | | | | | | | 9. AFI Well No. 30-025-37228 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1880' FNL & 1650' FWL, Unit F At top prod. interval reported below At total depth | | | | | | | | | | | | | | | | | | | | 10. Field and Pool, or Exploratory Bootleg Ridge, Delaware, NW Red Tank Bone Spring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. Sec., T., R., M., on Block and Survey or Area Sec 12, T22S, R32E | | | | | | | | | | 12. County or Parish Lea | | | | | | | | | | 13. State NM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. Date Spudded 09/11/2005 | | | | | | | | | | 15. Date T.D. Reached 09/23/2005 | | | | | | | | | | 16. Date Completed 12/05/2005 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. | | | | | | | | | | 17. Elevations (DF, RKB, RT, GL)* 3641' GL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18. Total Depth: MD 8,960' TVD | | | | | | | | | | 19. Plug Back T.D.: MD 8914' TVD | | | | | | | | | | 20. Depth Bridge Plug Set: MD 8750' TVD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Already on file | | | | | | | | | | | | | | | | | | | | 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 report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17-1/2 | | | | 13-3/8 | | | | 48 | | | | | | | | 930 | | | | | | | | 850 sx Cl C | | | | | | | | Surface | | | | Circ 220sx to pit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | 8-5/8 | | | | 32 | | | | | | | | 4690 | | | | | | | | 1725 sx Cl C | | | | | | | | Surface | | | | Circ 9sx to pit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-7/8 | | | | 5-1/2 | | | | 17 | | | | | | | | 8960 | | | | | | | | 815 sx Cl H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 24. Tubing Record | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size | | | | Depth Set (MD) | | | | Packer Depth (MD) | | | | Size | | | | Depth Set (MD) | | | | Packer Depth (MD) | | | | Size | | | | Depth Set (MD) | | | | Packer Depth (MD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2-7/8 | | | | 8420 | | | | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25. Producing Intervals | | | | | | | | | | | | | | | | | | | | 26. Perforation Record | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Formation | | | | | | | | | | Top | | | | | | | | | | Bottom | | | | | | | | | | Perforated Interval | | | | | | | | | | Size | | | | | | | | | | No. Holes | | | | | | | | | | Perf. Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A) Bone Spring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8821 - 8852 | | | | | | | | | | 2 SPF | | | | | | | | | | 40 | | | | | | | | | | Open | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B) Delaware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8520 - 8533 | | | | | | | | | | 2 SPF | | | | | | | | | | 27 | | | | | | | | | | Open | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27. Acid, Fracture, Treatment, Cement Squeeze, etc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth Interval | | | | | | | | | | Amount and Type of Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8821 - 8852 | | | | | | | | | | Az w/ 2000 gal 7-1/2% 90/10 acid & 60 BS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8821 - 8852 | | | | | | | | | | Frac w/ 32,000 gal gel & 50,000# 16/30 Ottawa sand & 20,000# resin coated sand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8520 - 8533 | | | | | | | | | | Az w/ 1000 gal 7-1/2% acid & 50 BS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8520 - 8533 | | | | | | | | | | Frac w/ 32,000 gal X-linked gel w/ 16/30 Ottawa sand & 20,000# resin coated sand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/05/2005 | | | | 12/11/2005 | | | | 24 | | | | → | | | | 165 | | | | 36 | | | | 79 | | | | 43.2 | | | | | | | | Pumping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke Size | | | | Tbg. Press. Flwg. SI | | | | Csg. Press. | | | | 24 Hr. Rate | | | | Oil BBL | | | | Gas MCF | | | | Water BBL | | | | Gas/Oil Ratio | | | | Well Status | | | | Producing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | → | | | | 41 | | | | 20 | | | | 2 | | | | 43.2 | | | | | | | | Pumping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choke Size | | | | Tbg. Press. Flwg. SI | | | | Csg. Press. | | | | 24 Hr. Rate | | | | Oil BBL | | | | Gas MCF | | | | Water BBL | | | | Gas/Oil Ratio | | | | Well Status | | | | Producing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| * (See instructions and spaces for additional data on page 2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LES BABYAK PETROLEUM ENGINEER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Kz

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 |
|---------------------|------|--------|------------------------------|------|--------------------|
| Delaware | 4730 | | | | |
| Cherry Canyon | 5490 | | | | |
| Lower Brushy Canyon | 8314 | | | | |
| Bone Spring | 8686 | | | | |

32. Additional remarks (include plugging procedure):


33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
☒ Other: C-102 for Delaware (6925) and Bone Spring (51683)

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Phyllis A. EdwardsTitle Regulatory Analyst

Signature


Date 01/27/2006

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.