

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

JUL 20 2005

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 20005. Lease Serial No.  
NM-0255281a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other

OCD-AMEDIA

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

Chesapeake Operating, Inc.

8. Lease Name and Well No.

Federal Z 2

3. Address

P. O. Box 11050 Midland TX 79702-8050

3.a Phone No. (Include area code)

(432)687-2992

9. API Well No.

30-015-32494

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

At Surface 660' FSL &amp; 1830' FEL

At top prod. interval reported below 660' FSL &amp; 1830' FEL

At total depth 660' FSL &amp; 1830' FEL

10. Field and Pool, or Exploratory

Undes.; Wolfcamp  
11. Sec., T., R., M., on Block and  
Survey or Area Sec. 33, T17S, R27E

12. County or Parish

Eddy

13. State

New Mexico

14. Date Spudded

11/30/2002

15. Date T.D. Reached

12/26/2002

16. Date Completed

☐ D & A ☒ Ready to Prod.

10/29/2003

17. Elevations (DF, RKB, RT, GL)\*

3528.5 Gr

18. Total Depth: MD 9790  
TVD19. Plug Back T.D.: MD 7565  
TVD20. Depth Bridge Plug Set: MD 7600  
TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☒ No ☐ 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17 1/2    | 13 3/8 ST  | 48#         |          | 490'        |                      | 715 H&C                     |                   | Surface     |               |
| 12 1/2    | 8 5/8      | 32#         |          | 2600'       |                      | 975 H & C                   |                   | Surface     |               |
| 7 7/8     | 5 1/2 N80  | 17#         |          | 9773'       |                      | 1714 sx                     |                   | 1080        |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

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" | 6639.49        |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation   | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) Wolfcamp | 6840 | 6846   | 6840 - 6935         | 3 1/8 | 33        | Open         |
| B)          | 6877 | 6882   |                     |       |           |              |
| C)          | 6926 | 6935   |                     |       |           |              |
| D)          |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material      |
|----------------|----------------------------------|
| 6840 - 6935    | 1300 gals 15% 90/10 HCl + 15 BS  |
|                | 10,000 gals 15% Ultralag + 35 BS |
|                |                                  |
|                |                                  |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 11/05/03            | 11/21/05             | 24           | →               | 16      | 20      | 1         |                       |             | pumping           |
| Choice Size         | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

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)

## 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. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil 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. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio          | Well Status |                   |

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

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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 |
|           |     |        |                              |      |             |

## 32. Additional remarks (include plugging procedure):

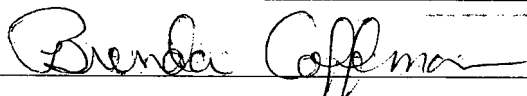
## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)    2. Geological 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)\*

Name (please print) Brenda CoffmanTitle Regulatory Analyst

Signature

Date 07/18/2005

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.