

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 21 1994

OIL CON. DIV.  
SUBMIT IN ORIGINALS  
DIST. 3 (See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Emerald Gas Operating Company

3. ADDRESS OF OPERATOR

570 Turner Drive, Durango, CO 81301 303-247-1500

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface NESW, 1934' FSL & 1794' FWL

At top prod. interval reported below

At total depth

Same

API # 30-045-28892

14. PERMIT NO.

DATE ISSUED

12/11/92

5. LEASE DESIGNATION AND SERIAL NO.

SF 078146A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Horton Federal CB-27

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

K, Sec. 27, T32N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

12/18/92

16. DATE T.D. REACHED

6/17/93

17. DATE COMPL. (Ready to prod.)

6/29/93

18. ELEVATIONS (OF RKB, RT, GR, ETC.)\*

GL: 6128'

19. ELEV. CASINGHEAD

KB: 6146'

20. TOTAL DEPTH, MD & TVD

2512' KB

21. PLUG, BACK T.D., MD & TVD

2508'

22. IF MULTIPLE COMPL., HOW MANY\*

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23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Fruitland Coals: 2360' - 2496'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SFL, CNL-FDC, Mudlog

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD          | AMOUNT FULLED |
|-------------|-----------------|----------------|-----------|---------------------------|---------------|
| 9 5/8"      | 36.0            | 328'           | 12 1/4"   | 225 sx Class 'B'          |               |
| 7"          | 23.0            | 2320'          | 8 3/4"    | Lead: 250 sx 65/35 Pozmix | w/additives & |
|             |                 |                |           | Tail: 200 sx Class 'B' w/ | additives     |

29. LINER RECORD

| SIZE   | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 5 1/2" | 2240'    | 2510'       | 80 'B'        |             | 2 7/8" | 2422'          |                 |
|        |          |             | w/additives   |             |        |                |                 |

31. PERFORATION RECORD (Interval, size and number)

2442-44', 2447-50', 2452-58', 2461-68',  
2482-91', 2493-95'  
2360-67', 2368-71', 2375-77'

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 2442-2495'          | Foam frac w/447 bbls water,      |
| 2360-77'            | 645,000 scf N <sub>2</sub>       |
|                     | 8,000 # 40/70 Brady & 157,000    |
|                     | # 20/40 Brady SD                 |

33. PRODUCTION

33.

|                       |                 |                                                                      |                         |          |            |                         |                                    |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
| 12/15/93              |                 | Flowing                                                              |                         |          |            |                         | Producing                          |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 12/22/93              | 24              |                                                                      | →                       | 0        | 511        | 12                      |                                    |  |
| FLOW, TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
| 130                   | 205             | →                                                                    | 0                       | 511      | 12         |                         |                                    |  |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Manager/Development

JAN 18 1994

DATE 1/03/94

FARMINGTON DISTRICT OF

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

| FORMATION                    | TOP   | BOTTOM       | DESCRIPTION, CONTENTS, ETC.                           |
|------------------------------|-------|--------------|-------------------------------------------------------|
| Fruitland                    | 2090' | TD:<br>2512' | Carbonaceous Shale, Coals, Siltstones:<br>Gas & Water |
| No cores or Open Hole DST's. |       |              |                                                       |

38.

GEOLOGIC MARKERS

| NAME      | TOP         |                     |
|-----------|-------------|---------------------|
|           | MEAS. DEPTH | TRUE<br>VERT. DEPTH |
| Fruitland | 2090'       | 2090'               |

**RECEIVED**  
JAN 1 1994  
OIL COMPANY  
DIST.