

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NMM-03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

377

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

m Sec. 23-26N-7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

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. REVR. ☐ Other ☐

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 340, Bloomfield, NM 87413 Ph. (505) 632-1544

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

At surface 1165' F/S 1025' F/W

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

30-039-25690

DATE ISSUED

6-6-97

15. DATE SPUDDED

9-14-97

16. DATE T.D. REACHED

9-28-97

17. DATE COMPL. (Ready to prod.)

12-31-97

18. ELEVATIONS (DP, RKB, RT, CR, ETC.)\*

6917'

19. ELEV. CASINGHEAD

6917

20. TOTAL DEPTH, MD & TVD

7565'

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

7565'

22. IF MULTIPLE COMPL., HOW MANY

TWO

23. INTERVALS

ROTARY TOOLS

CABLE TOOLS

0' - 7565'

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

7328' to 7499'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

GSL, Density, Induction

OIL CON. DIV.

27. WAS WELL CORED

NO

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

| CASINO SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                  | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|-----------------------------------|---------------|
| 9 5/8"      | 36#             | 321'           | 12 1/4"   | 150 sacks (180 cu. ft.)           |               |
| 5 1/2"      | 15.5# & 17#     | 7565'          | 7 7/8"    | 1320 sacks (2172.2 cu. ft.)       |               |
|             |                 |                |           | Cement circulated on all 3 stages |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
|      |          |             |               |             |

30. TUBING RECORD

| SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 1 1/4" | 7411'          | 6981'           |

31. PERFORATION RECORD (Interval, size and number)

Perforated Dakota zone with twenty .32 holes at the following depths: 7328', 7341', 7377', 7383', 7395', 7409', 7414', 7422', 7426', 7433', 7438', 7454', 7458', 7464', 7476', 7481', 7486', 7493', 7496', and 7499'.

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                        |
|---------------------|---------------------------------------------------------|
| 7328' to 7499'      | 2575 bbls 15# cross-link fluid and 138,000# 20/40 sand. |

33. PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                     | WELL STATUS (Producing or shut-in) |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|---------------------|------------------------------------|--|
|                       |                 | Flowing                                                              |                         |          |            |                     | Shut-in                            |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BDL. | GAS—MCF.   | WATER—BDL.          | GAS-OIL RATIO                      |  |
| 12-31-97              | 3 hours         | 3/4                                                                  | →                       |          | 195        | 0                   |                                    |  |
| FLOW. TUBING PRESS.   | CASINO PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BDL.                | GAS—MCF. | WATER—BDL. | OIL—BDL.            |                                    |  |
| 82                    | pkp             | →                                                                    |                         | 1563     |            | ACCEPTED FOR RECORD |                                    |  |

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

Vented

TEST WITNESSED BY  
JAN 23 1998

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 Robert J. Vergara TITLE Superintendent

DATE 1-12-98

\*(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. | GEOLOGIC MARKERS |                                           |
|-----------------------|-------|--------|-----------------------------|------------------|-------------------------------------------|
|                       |       |        |                             | NAME             | TOP<br>MEAS. DEPTH<br>TRUE<br>VERT. DEPTH |
| Alamo                 | 2418' | 2464'  | Water Sands                 | Alamo            | 2418'                                     |
| Pictured Cliffs       | 3000' | 3043'  | Gas Sand                    | Pictured Cliffs  | 3000'                                     |
| Chacra                | 3878' | 3908'  | Gas Sand                    | Chacra           | 3878'                                     |
| Mesa Verde            | 4658' | 5437'  | Gas Sand                    | Mesa Verde       | 4658'                                     |
| Gallup                | 6452' | 6996'  | Gas Sand                    | Gallup           | 6452'                                     |
| Dakota                | 7315' | 7504'  | Gas Sand                    | Dakota           | 7315'                                     |
| Hole Deviation Report |       |        |                             |                  |                                           |
|                       |       |        | Depth                       | Degrees          | Depth                                     |
|                       |       |        | 88'                         | 3/4°             | 5084'                                     |
|                       |       |        | 177'                        | 1°               | 5241'                                     |
|                       |       |        | 325'                        | 1°               | 5641'                                     |
|                       |       |        | 652'                        | 1 1/4°           | 5896'                                     |
|                       |       |        | 1153'                       | 3°               | 6083'                                     |
|                       |       |        | 1247'                       | 2 3/4°           | 6583'                                     |
|                       |       |        | 1372'                       | 3°               | 7083'                                     |
|                       |       |        | 1496'                       | 3°               | 7542'                                     |
|                       |       |        | 1683'                       | 2 1/2°           |                                           |
|                       |       |        | 1901'                       | 2 3/4°           |                                           |
|                       |       |        | 2215'                       | 2 3/4°           |                                           |
|                       |       |        | 2459'                       | 2°               |                                           |
|                       |       |        | 2873'                       | 3/4°             |                                           |
|                       |       |        | 3360'                       | 3/4°             |                                           |
|                       |       |        | 3867'                       | 3/4°             |                                           |
|                       |       |        | 4081'                       | 3/4°             |                                           |
|                       |       |        | 4588'                       | 3/4°             |                                           |