

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

See other in-  
structions on  
reverse sideForm approved.  
Budget Bureau No. 42-R355.5.

## 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

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL Report location clearly and in accordance with any well requirements.

At surface 990' From thr North &amp; 1120' From the West

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03551

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech E

9. WELL NO.

50 E

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Section 5 26N 6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RSR, RT, GR, ETC.) \* 19. ELEV. CASINGHEAD

8/6/82

8/28/82

9-22-82

6572 GR

6572

20. TOTAL DEPTH, MD &amp; TVD 21. PLUG, BACK T.D., MD &amp; TVD 22. IF MULTIPLE COMPL., HOW MANY \* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) \* 25. WAS DIRECTIONAL SURVEY MADE

7475

7475

(2) Two

0 7475

4573 to 5426 Mesa Verde

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron Log and Spectrum Log

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 PULLED |
|-------------|-----------------|----------------|-----------|-------------------------|---------------|
| 9 5/8"      | 32.40#          | 328'           | 13 3/4"   | 275 sacks (324.5 cu ft) | None          |
| 5 1/2"      | 15.5 7 17#      | 7475'          | 7 5/8"    | 1300 Sacks (2004 cu ft) | None          |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT * | SCREEN (MD) | SIZE    | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|----------------|-------------|---------|----------------|-----------------|
|      |          |             |                |             | 2 1/16" | 7400'          |                 |
|      |          |             |                |             | 2 1/16" | 5503'          | 5615'           |

31. PERFORATION RECORD (Interval, size and number)

|            |            |            |            |
|------------|------------|------------|------------|
| 1 .42 5426 | 1 .42 5298 | 1 .42 5230 | 1 .42 5028 |
| 1 .42 5353 | 1 .42 5282 | 1 .42 5221 | 1 .42 4772 |
| 1 .42 5342 | 1 .42 5278 | 1 .42 5216 | 1 .42 4718 |
| 1 .42 5334 | 1 .42 5274 | 1 .42 5094 | 1 .42 4584 |
| 1 .42 5330 | 1 .42 5260 | 1 .42 5078 | 1 .42 4573 |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                |
|---------------------|-------------------------------------------------|
| 5426 4573           | 75,000# 20 40 Sand and 1399 bbls. 20# Gel Fluid |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|-----------------------|----------------------------------------------------------------------|------------------------------------|
| 9-29-82               | Flowing                                                              | Shut in                            |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF | WATER—BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|---------|------------|---------------|
| 9-28-82      | 3 hrs.       | 3/4"       |                         |          | 152     |            |               |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| 74                  | 309             |                         |          | 1218     |            |                         |

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

TEST WITNESSED BY

Gas to be sold to El Paso Natural Gas Condensate to Shell Oil Co.)

35. LIST OF ATTACHMENTS

Complete cementing record

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

SIGNED

Charles E. Vergara

TITLE

Superintendent

DATE

10-12-82

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

O. 1 32

NMOCC

RECEIVED  
OCT 14 1982

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers' geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

See attachment for complete cementing record.

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS        |         |             |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|---------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                             | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. |         | MEAS. DEPTH | TRUE VERT. DEPTH |
| Alamo                                                                                                                                                                                                                                                 | 2186 | 2478   | Water Sand                  |         | 2186        | 2186             |
| Pictured Cliffs                                                                                                                                                                                                                                       | 2993 | 3104   | Gas Sand                    |         | 2993        | 2993             |
| Mesa Verde                                                                                                                                                                                                                                            | 4509 | 5436   | Gas Sand                    |         | 4509        | 4509             |
| Dakota                                                                                                                                                                                                                                                | 7248 | 7457   | Gas Sand                    |         | 7248        | 7248             |
| Hole Deviation Test                                                                                                                                                                                                                                   |      |        |                             |         |             |                  |
|                                                                                                                                                                                                                                                       |      |        | Depth                       | Degrees | Depth       | Degrees          |
|                                                                                                                                                                                                                                                       |      |        | 328                         | 1/4     | 4090        | 1/2              |
|                                                                                                                                                                                                                                                       |      |        | 824                         | 1/2     | 4578        | 1/2              |
|                                                                                                                                                                                                                                                       |      |        | 1362                        | 1/2     | 5058        | 1/4              |
|                                                                                                                                                                                                                                                       |      |        | 1832                        | 1/2     | 5244        | 1                |
|                                                                                                                                                                                                                                                       |      |        | 2272                        | 1       | 5791        | 1                |
|                                                                                                                                                                                                                                                       |      |        | 2727                        | 1       | 6308        | 1                |
|                                                                                                                                                                                                                                                       |      |        | 3210                        | 1       | 6817        | 1                |
|                                                                                                                                                                                                                                                       |      |        | 3592                        | 1/2     | 7186        | 3/4              |
|                                                                                                                                                                                                                                                       |      |        |                             |         | 7475        | 3/4              |

Ran 5 1/2" Production Casing as follows:

|                 |        |            |       |      |            |
|-----------------|--------|------------|-------|------|------------|
| 7475 to 6516    | (959   | New 5 1/2" | 17#   | ST&C | J 55 Smls. |
| 6516 to 1023    | (5493) | New 5 1/2" | 15.5# | ST&C | J 55 Smls. |
| 1023 to Surface | (1023) | New 5 1/2" | 17#   | LT&C | J 55 Smls. |

Stage tool set at 5456 and 3182.

Cemented first stage thru shoe at 7475' with 250 sacks (412.5 cu ft) 50 50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat cement. Plug down 6:10 AM 8/28/82.

Cemented second stage thru stage tool at 5456' with 250 sacks (412.5 cu ft) 50 50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat cement. Plug down 7:35 AM 8/28/82.

Cemented third stage thru stage tool set at 3182' with 500 sacks (825 cu ft) 50 50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat cement. Plug down 9:10 AM 8/28/82.

Cement circulated above stage tools and to surface.

Cement Baskets set at 5495 and 3268.

Centralizers set at following: 7431, 7389, 7345, 7299, 7256, 7211, 7168, 7126, 7082, 7039, 6993, 6951, 6907, 6863, 6820, 6775, 5539, 5412, 5369, 5325, 5282, 5239, 5196, 3311 and 3138.