

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                                              |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------|------------------------------------------------------|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>Oil/Gas Dual</u>                                                                                                                 |                               |                                                                                                                                                               |                                     | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>NM 03554</b> |                                                      |
| b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESRV. <input type="checkbox"/> Other _____                                 |                               |                                                                                                                                                               |                                     | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                   |                                                      |
| 2. NAME OF OPERATOR<br><b>Caulkins Oil Company</b>                                                                                                                                                                                                           |                               |                                                                                                                                                               |                                     | 7. UNIT AGREEMENT NAME                                 |                                                      |
| 3. ADDRESS OF OPERATOR<br><b>P. O. Box 780, Farmington, New Mexico</b>                                                                                                                                                                                       |                               |                                                                                                                                                               |                                     | 8. FARM OR LEASE NAME<br><b>Breesh "C"</b>             |                                                      |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface <b>1850 FSL and 790 FWL Section 12-26N-6W</b><br>At top prod. interval reported below <b>Same as above</b><br>At total depth <b>Same as above</b> |                               |                                                                                                                                                               |                                     | 9. WELL NO.<br><b>TD-189</b>                           |                                                      |
| 14. PERMIT NO.                                                                                                                                                                                                                                               |                               |                                                                                                                                                               |                                     | DATE ISSUED                                            |                                                      |
| 12. COUNTY OR PARISH<br><b>Rio Arriba</b>                                                                                                                                                                                                                    |                               |                                                                                                                                                               |                                     | 13. STATE<br><b>New Mexico</b>                         |                                                      |
| 15. DATE SPUDDED<br><b>12-31-63</b>                                                                                                                                                                                                                          |                               | 16. DATE T.D. REACHED<br><b>1-23-64</b>                                                                                                                       |                                     | 17. DATE COMPL. (Ready to prod.)<br><b>3-5-64</b>      |                                                      |
| 18. ELEVATIONS (DF, REB, RT, GR, ETC.)*<br><b>6601 KB</b>                                                                                                                                                                                                    |                               | 19. ELEV. CASINGHEAD<br><b>6589</b>                                                                                                                           |                                     | 10. FIELD AND POOL, OR WILDCAT<br><b>Basin Dakota</b>  |                                                      |
| 20. TOTAL DEPTH, MD & TVD<br><b>7600</b>                                                                                                                                                                                                                     |                               | 21. PLUG, BACK T.D., MD & TVD<br><b>7255</b>                                                                                                                  |                                     | 22. IF MULTIPLE COMPL., HOW MANY*<br><b>Two</b>        |                                                      |
| 23. INTERVALS DRILLED BY<br><b>0 to 7600</b>                                                                                                                                                                                                                 |                               | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br><b>Dakota sands 7293-7300, 7310-12, 7320-26, 7332-38, 7423-38, 7497-7524</b> |                                     | 25. WAS DIRECTIONAL SURVEY MADE<br><b>no</b>           |                                                      |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br><b>Schlumberger Induction-Electric, Gamma Ray - Sonic, Caliper</b>                                                                                                                                                   |                               |                                                                                                                                                               |                                     | 27. WAS WELL CORED<br><b>no</b>                        |                                                      |
| 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"                                                                                                                                                                                                                                                       | 32.75                         | 262                                                                                                                                                           | 13-3/4"                             | 250 sacks cement                                       | none                                                 |
| 5-1/2"                                                                                                                                                                                                                                                       | 15.5 & 17                     | 7600                                                                                                                                                          | 8-3/4"                              | 980 sacks cement                                       | none                                                 |
| 29. LINER RECORD                                                                                                                                                                                                                                             |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| SIZE                                                                                                                                                                                                                                                         | TOP (MD)                      | BOTTOM (MD)                                                                                                                                                   | SACKS CEMENT*                       | SCREEN (MD)                                            |                                                      |
|                                                                                                                                                                                                                                                              |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| 30. TUBING RECORD                                                                                                                                                                                                                                            |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| SIZE                                                                                                                                                                                                                                                         | DEPTH SET (MD)                | PACKER SET (MD)                                                                                                                                               |                                     |                                                        |                                                      |
| 2-3/8"                                                                                                                                                                                                                                                       | 7196 (T)                      | 7188                                                                                                                                                          |                                     |                                                        |                                                      |
| 1-1/4"                                                                                                                                                                                                                                                       | 6783 (D)                      |                                                                                                                                                               |                                     |                                                        |                                                      |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                                           |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| 2 .56" dia. jets per foot 7293-7300 (14), 7310-12 (4), 7320-26 (12), 7332-38 (12).<br>4 .56" dia. jets per foot 7423-38 (60), 7497-7524 (108)                                                                                                                |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                               |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                          |                               |                                                                                                                                                               | AMOUNT AND KIND OF MATERIAL USED    |                                                        |                                                      |
| 7497-7524                                                                                                                                                                                                                                                    |                               |                                                                                                                                                               | 60,000# sand - 67,956 gal. wtr.     |                                                        |                                                      |
| 7423-7438                                                                                                                                                                                                                                                    |                               |                                                                                                                                                               | 60,000# sand - 70,140 gal. wtr.     |                                                        |                                                      |
| 7293-7338                                                                                                                                                                                                                                                    |                               |                                                                                                                                                               | 60,000# sand - 57,120 gal. wtr.     |                                                        |                                                      |
| 33. PRODUCTION                                                                                                                                                                                                                                               |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| DATE FIRST PRODUCTION<br><b>3-5-64</b>                                                                                                                                                                                                                       |                               | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br><b>Flow</b>                                                                           |                                     |                                                        | WELL STATUS (Producing or shut-in)<br><b>Shut in</b> |
| DATE OF TEST<br><b>3-5-64</b>                                                                                                                                                                                                                                | HOURS TESTED<br><b>3</b>      | CHOKE SIZE<br><b>3/4"</b>                                                                                                                                     | PROD'N. FOR TEST PERIOD<br><b>→</b> | OIL—BBL.<br><b>0</b>                                   | GAS—MCF.<br><b>399.8</b>                             |
| FLOW. TUBING PRESS.<br><b>206</b>                                                                                                                                                                                                                            | CASING PRESSURE<br><b>628</b> | CALCULATED 24-HOUR RATE<br><b>→</b>                                                                                                                           | OIL—BBL.<br><b>0</b>                | GAS—MCF.<br><b>3199</b>                                | WATER—BBL.<br><b>0</b>                               |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br><b>gas was vented during test</b>                                                                                                                                                              |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| 35. LIST OF ATTACHMENTS<br><b>(1) Deviation Record (2) Form 933 for Tooto Zone</b>                                                                                                                                                                           |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.                                                                                                                           |                               |                                                                                                                                                               |                                     |                                                        |                                                      |
| SIGNED <b>Frank Sney</b>                                                                                                                                                                                                                                     |                               | TITLE <b>Superintendent</b>                                                                                                                                   |                                     | DATE <b>6-23-64</b>                                    |                                                      |

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

# 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 23 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and other pertinent data 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, Item 35.

Item 4: If there are not applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for special instructions.

Item 18: Indicate which deviation 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 completions), 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 23 and 24 above.)

## 5 1/2" Casing Cementing Records

1st Stage through shoe with 320 sacks Incon class C cement containing 4% gel and 12 1/2# kolite per sack followed by 125 sacks latex cement

2nd Stage through Baker Stage Collar at 5596 with 485 sacks 12 1/2# gel cement containing 12 1/2# kolite per sack. Closed stage collar with 2500# pressure

### 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.                                                                               | 38. GEOLOGIC MARKERS                                         |                                      |
|-----------|------|------|--------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------|
|           |      |      |        |                                                                                                           | NAME                                                         | MEAS. DEPTH                          |
| Toedto    | 6821 | 6828 |        | Oil Sand - DST 6823 to 6851 - open 3 hours<br>30 min. DST 2938<br>DPP 175<br>PPP 552<br>30 min. PSEP 2761 | Pie. Clf<br>Cliff House<br>Point Lookout<br>Toedto<br>Dakota | 3073<br>4763<br>5365<br>6804<br>7290 |
|           |      |      |        | Gas Sand                                                                                                  |                                                              |                                      |
|           | 7294 | 7298 |        |                                                                                                           |                                                              |                                      |
|           | 7423 | 7435 |        |                                                                                                           |                                                              |                                      |
|           | 7458 | 7463 |        |                                                                                                           |                                                              |                                      |
| Dakota    | 7493 | 7516 |        |                                                                                                           |                                                              |                                      |
|           | 7518 | 7524 |        |                                                                                                           |                                                              |                                      |
|           |      |      |        |                                                                                                           |                                                              |                                      |

### HOLE DEVIATION RECORD: (Degrees)

3/4 @ 262, 1 @ 760, 1-1/4 @ 1250, 1-1/2 @ 1750, 1-1/2 @ 2405, 3/4 @ 2750, 1/4 @ 3108, 1/4 @ 3445, 3/4 @ 4175,  
1/2 @ 4440, 3/4 @ 5075, 1 @ 5575, 1 @ 6175, 1/2 @ 6675, 3/4 @ 7175