

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions 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 checked="" type="checkbox"/> | DRY <input type="checkbox"/>            | Other _____                        |  |             |
| b. TYPE OF COMPLETION:  |  | NEW WELL <input checked="" type="checkbox"/>                         | WORK OVER <input type="checkbox"/>           | DEEP-EN <input type="checkbox"/>        | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/>                | Other _____ |
| 2. NAME OF OPERATOR   |  |  |  |   |                                    | 7. UNIT AGREEMENT NAME                               |             |
| Southland Royalty Company   |  |  |  |   |                                    | 8. FARM OR LEASE NAME                                |             |
| 3. ADDRESS OF OPERATOR  |  |  |  |   |                                    | Reid PRI   |             |
| P. O. Drawer 570, Farmington, New Mexico 87401  |  |  |  |   |                                    | 9. WELL NO.  |             |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*                                      |  |  |  |   |                                    | 1-E  |             |
| At surface 1500' FNL & 1030' FWL  |  |  |  |   |                                    | 10. FIELD AND POOL, OR WILDCAT                       |             |
| At top prod. interval reported below  |  |  |  |   |                                    | Basin Dakota   |             |
| At total depth  |  |  |  |   |                                    | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA    |             |
| 14. PERMIT NO.  |  |  |  |   |                                    | 12. COUNTY OR PARISH                                 |             |
| DATE ISSUED   |  |  |  |   |                                    | San Juan   |             |
| 15. DATE SPUDDED  |  |  |  |   |                                    | 13. STATE  |             |
| 9-25-79   |  |  |  |   |                                    | New Mexico   |             |
| 16. DATE T.D. REACHED   |  | 17. DATE COMPL. (Ready to prod.)                                     |  | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* |                                    | 19. ELEV. CASINGHEAD                                 |             |
| 10-08-79  |  | 11-05-79   |  | 5819' GR                                |                                    |  |             |
| 20. TOTAL DEPTH, MD & TVD   |  | 21. PLUG, BACK T.D., MD & TVD  |  | 22. IF MULTIPLE COMPL., HOW MANY*       |                                    | 23. INTERVALS DRILLED BY                             |             |
| 6646'   |  | 6600'  |  |   |                                    | ROTARY TOOLS   |             |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  |  |  |  |   |                                    | CABLE TOOLS  |             |
| 6383' - 6562' (Dakota)  |  |  |  |   |                                    | 0-6646   |             |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN  |  |  |  |   |                                    | 25. WAS DIRECTIONAL SURVEY MADE                      |             |
| IES, GR-Density and GR-Correlation Logs   |  |  |  |   |                                    | Deviation  |             |
| 28. CASING RECORD (Report all strings in well)  |  |  |  |   |                                    | 27. WAS WELL CORED                                   |             |
| Casing Size   |  | Weight, lb./ft.  |  | Depth Set (MD)                          |                                    | Hole Size  |             |
| 8-5/8"  |  | 24#  |  | 239'                                    |                                    | 12-1/4"  |             |
| 4-1/2"  |  | 10.50#   |  | 6646'                                   |                                    | 7-7/8"   |             |
|   |  |  |  |   |                                    | 250 sxs  |             |
|   |  |  |  |   |                                    | 1st stge: 206 sxs / 2nd stge: 233 sxs                |             |
|   |  |  |  |   |                                    | 3rd stge: 331 sxs                                    |             |
| 29. LINER RECORD  |  |  |  |   |                                    | 30. TUBING RECORD                                    |             |
| Size  |  | Top (MD)   |  | Bottom (MD)                             |                                    | Sacks Cement*  |             |
| -----   |  | -----  |  | -----                                   |                                    | -----  |             |
|   |  |  |  |   |                                    | Screen (MD)  |             |
|   |  |  |  |   |                                    | Size   |             |
|   |  |  |  |   |                                    | Depth Set (MD)                                       |             |
|   |  |  |  |   |                                    | Packer Set (MD)                                      |             |
|   |  |  |  |   |                                    | 2-3/8"   |             |
|   |  |  |  |   |                                    | 6553'  |             |
|   |  |  |  |   |                                    | ---  |             |
| 31. PERFORATION RECORD (Interval, size and number)  |  |  |  |   |                                    | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.       |             |
| 6383', 6451', 6459', 6467', 6475', 6483', 6546', 6553', 6562'.  |  |  |  |   |                                    | Depth Interval (MD)                                  |             |
|   |  |  |  |   |                                    | Amount and Kind of Material Used                     |             |
|   |  |  |  |   |                                    | 6383' - 6562'  |             |
|   |  |  |  |   |                                    | 62,104 gallons Mini Max 3 and 92,400# 20/40 sand.    |             |
| 33.* PRODUCTION   |  |  |  |   |                                    | WELL STATUS Producing or Shut-In                     |             |
| DATE FIRST PRODUCTION   |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |  |   |                                    | WATER—BBL. GAS—OIL RATIO                             |             |
|   |  | Flowing  |  |   |                                    | DIST. 3  |             |
| DATE OF TEST  |  | HOURS TESTED   |  | CHOKE SIZE                              |                                    | PROD'N. FOR TEST PERIOD                              |             |
| 11-12-79  |  |  |  |   |                                    | OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) |             |
| FLOW. TUBING PRESS.   |  | CASING PRESSURE  |  | CALCULATED 24-HOUR RATE                 |                                    | OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) |             |
|   |  |  |  |   |                                    | 1065 MCF/d PITOT TUBE TESTED GAUGED                  |             |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  |  |  |  |   |                                    | TEST WITNESSED BY                                    |             |
| Sold  |  |  |  |   |                                    | Leroy Castleman                                      |             |
| 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  |  | DATE                                    |                                    | November 26, 1979                                    |             |
| District Production Manager   |  |  |  |   |                                    |  |             |

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

FARMINGTON DISTRICT

67.21.30  
RECEIVED  
DEC 3 1979  
FARMINGTON DISTRICT  
NOV 26 1979

# 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.)

| 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 | NAME                 | TOP         |                  |
|   |       |        |                      | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo   | 720'  |        |                      |             |                  |
| Fruitland   | 1400' |        |                      |             |                  |
| Pictured Cliffs   | 1910' |        |                      |             |                  |
| Cliff House   | 3487' |        |                      |             |                  |
| Point Lookout   | 4254' |        |                      |             |                  |
| Gallup  | 5530' |        |                      |             |                  |
| Graneros  | 6378' |        |                      |             |                  |
| Dakota  | 6446' |        |                      |             |                  |