

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other  
instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.6.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                     |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------|-------------------------------------------------|---------------------------------------|--------------------------------|
| 1a. TYPE OF WELL:                                                                                                                                                                                   |                                       | OIL WELL <input checked="" type="checkbox"/>                                                     | GAS WELL <input type="checkbox"/>                                  | DRY <input type="checkbox"/>     | Other <input type="checkbox"/>                  |                                       |                                |
| 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 <input type="checkbox"/> |
| 2. NAME OF OPERATOR<br>Southwestern Natural Gas, Inc.                                                                                                                                               |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 3. ADDRESS OF OPERATOR<br>900 Bank of the Southwest Midland, Texas                                                                                                                                  |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 1980' FNL & 660' FWL<br>At top prod. interval reported below Same<br>At total depth Same |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 14. PERMIT NO.<br>--                                                                                                                                                                                |                                       |                                                                                                  | DATE ISSUED<br>6-14-68                                             |                                  |                                                 |                                       |                                |
| 15. DATE SPUDDED<br>6-13-68                                                                                                                                                                         | 16. DATE T.D. REACHED<br>6-20-68      | 17. DATE COMPL. (Ready to prod.)<br>9-1-68                                                       | 18. ELEVATIONS (DF, RES, RT, OR, ETC.)*<br>4440' DF                |                                  | 19. ELEV. CASINGHEAD<br>4429'                   |                                       |                                |
| 20. TOTAL DEPTH, MD & TVD<br>4400'                                                                                                                                                                  | 21. PLUG BACK T.D., MD & TVD<br>4387' | 22. IF MULTIPLE COMPL. HOW MANY*<br>--                                                           | 23. INTERVALS DRILLED BY<br>ROTARY TOOLS<br>CABLE TOOLS<br>Q-4400' |                                  |                                                 |                                       |                                |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>4157' - 4366' - 15 - 0.375" holes                                                                                  |                                       |                                                                                                  |                                                                    |                                  | 25. WAS DIRECTIONAL SURVEY MADE<br>No           |                                       |                                |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>GR/N, CEL                                                                                                                                                   |                                       |                                                                                                  |                                                                    |                                  | 27. WAS WELL CORED<br>No                        |                                       |                                |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                  |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| CASING SIZE                                                                                                                                                                                         | WEIGHT, LB./FT.                       | DEPTH SET (MD)                                                                                   | HOLE SIZE                                                          | CEMENTING RECORD                 | AMOUNT PULLED                                   |                                       |                                |
| 7"                                                                                                                                                                                                  | 23                                    | 1845'                                                                                            | 11"                                                                | 400 Sks - Circ.                  | None                                            |                                       |                                |
| 4 1/2"                                                                                                                                                                                              | 10.5                                  | 4400'                                                                                            | 6 1/8"                                                             | 150 Sks                          | 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"                                                                                                                                                                                              | 4152                                  | None                                                                                             |                                                                    |                                  |                                                 |                                       |                                |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                  |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 4157 - 4366 - 15 - 0.375" holes                                                                                                                                                                     |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                      |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| DEPTH INTERVAL (MD)                                                                                                                                                                                 |                                       |                                                                                                  | AMOUNT AND KIND OF MATERIAL USED                                   |                                  |                                                 |                                       |                                |
| 4157 - 4366                                                                                                                                                                                         |                                       |                                                                                                  | 1,000 gals acid 40,000 gals. Ref.<br>Oil and 80,000# 20-40 Sand.   |                                  |                                                 |                                       |                                |
| 33.* PRODUCTION                                                                                                                                                                                     |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| DATE FIRST PRODUCTION<br>9-1-68                                                                                                                                                                     |                                       | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Pump - 2" X 1 1/2" X 12" |                                                                    |                                  | WELL STATUS (Producing or shut-in)<br>Producing |                                       |                                |
| DATE OF TEST<br>9-1-68                                                                                                                                                                              | HOURS TESTED<br>24                    | CHOKE SIZE<br>--                                                                                 | PROD'N. FOR TEST PERIOD<br>OIL—BBL.<br>25                          | GAS—MCF.<br>30                   | WATER—BBL.<br>50                                |                                       |                                |
| FLOW, TUBING PRESS.<br>--                                                                                                                                                                           | CASING PRESSURE<br>--                 | CALCULATED 24-HOUR RATE<br>--                                                                    | OIL—BBL.<br>25                                                     | GAS—MCF.<br>30                   | WATER—BBL.<br>50                                |                                       |                                |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Vented                                                                                                                                |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 35. LIST OF ATTACHMENTS<br>Inclination Record, C-104, Well logs                                                                                                                                     |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                   |                                       |                                                                                                  |                                                                    |                                  |                                                 |                                       |                                |
| SIGNED<br>                                                                                                                                                                                          |                                       |                                                                                                  | Office Manager<br>DATE 9/10/68                                     |                                  |                                                 |                                       |                                |

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

**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 land office or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

It is not intended 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.), formations 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 3b.

**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.

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.)

[illegible]