

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 GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other _____

2. NAME OF OPERATOR
SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 808, FARMINGTON, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **1190 FT. FROM NORTH LINE AND 1480 FT. FROM WEST LINE**
At top prod. interval reported below **SAME AS ABOVE**
At total depth **SAME AS ABOVE**

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
CONTRACT NO. 104

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
JICARILLA "C"

9. WELL NO.
8

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED GALLUP CASHIN DAKOTA

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 15, T-26N, R-4E, N.M.P.M.

12. COUNTY OR PARISH
RIO ARriba

13. STATE
NEW MEXICO

15. DATE SPICEDD **11/7/67** 16. DATE T.D. REACHED **11/19/67** 17. DATE COMPL. (Ready to prod.) **12/5/67** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **6803 FT. R.K.B.** 19. ELEV. CASINGHEAD **6792**

20. TOTAL DEPTH, MD & TVD **7905 FT. R.K.B.** 21. PLUG, BACK T.D., MD & TVD **7885 FT. R.K.B.** 22. IF MULTIPLE COMPL., HOW MANY* **2** 23. INTERVALS DRILLED BY **C-7905**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7168-7182 GALLUP NATIVE
7648-7834 DAKOTA NATIVE

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
C.S. INDUCTION, DENSITY, GAMMA RAY CORRELATION, CEMENT BOND LOG

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 10-3/4" | 32.75 | 324 | 15" | 250 SACKS | NONE |
| 7-5/8" | 26.40 | 3718 | 9-7/8" | 350 CU. FT. | NONE |
| 5-1/2" | 15.50 | 3578 TOP | 6-3/4" | 600 CU. FT. | NONE |
| | | 7902 BOTTOM | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|--------|----------|-------------|---------------|-------------|
| 5-1/2" | 3578 | 7902 | 600 CU. FT. | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---------------|----------------|-----------------|
| 1 1/2" I.J. | 7177 R.K.B. | 7565 FT. R.K.B. |
| 1 1/2" E.U.E. | 7715 R.K.B. | |

31. PERFORATION RECORD (Interval, size and number)

GALLUP: 2 SHOTS/FT. 7168-7170, 4 SHOTS/FT. 7170-7172, 2 SHOTS/FT. 7172-7182.
DAKOTA: 1 SHOT/FT. 7648-7692, 7156-7170, 7182-7806, 7822-7834.

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|--------------------------------------|
| 7168-7182 | 35,000/ SAND, 500/ GLASS BEADS, 5 |
| 7648-7834 | 30,660 GALLONS 1% KCL WATER |
| | 100,000/ SAND, 1,500/ GLASS BEADS, 4 |
| | 128,310 GALLONS 1% KCL WATER |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|-----------------------|--|------------------------------------|
| 12/12/67 12/21/67 | | SHUT-IN |

| DATE TESTED | HOURS TESTED | CHOK. SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF | WATER—BBL. | GAS-OIL RATIO |
|-------------|--------------|------------|-------------------------|----------|--------------|------------|---------------|
| 12/21/67 | 3 | 3/4" | → | | 351 - DAKOTA | | |
| | | 3/4" | → | | 330 - GALLUP | | |

| FLOOR TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|---------|------------|-------------------------|
| 228 | PACKER 949 | → | | 2,811 | | |
| 212 | | | | 2,836 | | |

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

35. TEST WITNESSED BY
VAL RIPPER

35. LIST OF ATTACHMENTS

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

ORIGINAL SIGNED BY
SIGNED **B. R. VANDERSLICE** TITLE **AREA SUPERINTENDENT** DATE **DECEMBER 26, 1967**

*(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 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.)

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|--|-----|--------|-----------------------------|
| <p>38. 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</p> | | | |
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