

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

| | | | | | | | |
|---|--------------------------|------------------|------------------------------|--|------------------------------|------------------------|--|
| Operator Phillips Petroleum Company | | | | Lease Vacuum Abo Unit <i>Dr. 1</i> | | Well No. 4-9 | |
| Location of Well | Unit J | Sec 27 | Twp 17-S | Rge 35-E | County Lea | | |
| Name of Reservoir or Pool | | | Type of Prod (Oil or Gas) | Method of Prod Flow, Art Lift | Prod. Medium (Tbg or Csg) | Choke Size | |
| Upper Compl | Vacuum Glorieta * | | Oil | Art. Lift | Tbg. | 2" | |
| Lower Compl | Vacuum Abo | | Oil | Art. Lift | Tbg. | 2" | |

* Operated by Chevron Oil Company as their State 4-27, No. 9.
FLOW TEST NO. 1

| | | | |
|--|--------------------------|--|---------------------|
| Both zones shut-in at (hour, date): | 9-13-71 9:00 A.M. | | |
| Well opened at (hour, date): | 9-14-71 9:00 A.M. | Upper Completion | Lower Completion |
| Indicate by (X) the zone producing..... | | X | |
| Pressure at beginning of test..... | | 100 | 40 |
| Stabilized? (Yes or No)..... | | yes | yes |
| Maximum pressure during test..... | | 100 | 60 |
| Minimum pressure during test..... | | 40 | 40 |
| Pressure at conclusion of test..... | | 40 | 60 |
| Pressure change during test (Maximum minus Minimum)..... | | 60 | 20 |
| Was pressure change an increase or a decrease?..... | | Dec. | Inc. |
| Well closed at (hour, date): | 9-15-71 9:00 A.M. | Total Time On Production | 24 hrs. |
| Oil Production | | Gas Production | |
| During Test: 7 bbls; Grav. _____ | | During Test 5 MCF; GOR 714 | |
| Remarks Produced 135 bbls/wtr. on test. | | | |

FLOW TEST NO. 2

| | | | |
|--|---------------------------|--|---------------------|
| Well opened at (hour, date): | 9:00 A.M. 9-16-71 | Upper Completion | Lower Completion |
| Indicate by (X) the zone producing..... | | | X |
| Pressure at beginning of test..... | | 100 | 60 |
| Stabilized? (Yes or No)..... | | yes | yes |
| Maximum pressure during test..... | | 120 | 60 |
| Minimum pressure during test..... | | 100 | 40 |
| Pressure at conclusion of test..... | | 120 | 40 |
| Pressure change during test (Maximum minus Minimum)..... | | 20 | 20 |
| Was pressure change an increase or a decrease?..... | | Inc. | Dec. |
| Well closed at (hour, date) | 9:00 A.M., 9-17-71 | Total time on Production | 24 hrs. |
| Oil Production | | Gas Production | |
| During Test: 9 bbls; Grav. 38.9 | | During Test 6.9 MCF; GOR 775 | |
| Remarks | | | |

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

OCT 7 1971

Approved _____
New Mexico Oil Conservation Commission

By _____
Title **SUPERVISOR DISTRICT I**

Operator **Phillips Petroleum Company**
By **W. J. Mueller**
Title **Senior Reservoir Engineer**
Date **10-4-71**

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced each multiple completion well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer, or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.
2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

When the gas test No. 1, the well shall again be shut-in as above.

Flow test shall be conducted even though no leak was indicated
 Procedure for Flow Test No. 2 is to be the same
 as that the previously produced zone shall re-
 sulting in shut-in zone is produced.

During the entire test, shall be continuously recorded with recording pressure gauges, the accuracy of which shall be checked with a leadweight tester at least twice, once at the beginning and once at the end of each flow test.

over-described tests shall be filed in triplicate copies of the test. Tests shall be filed with the Office of the New Mexico Oil Conservation Commissioner, the Parker Leakage Test Form Revised 11-1-58, and the pressure recording gauge charts with all the data and readings were taken indicated thereon. In lieu of the pressure recording gauge charts, the operator may construct a pressure versus time test, indicating thereon all pressure readings by the gauge charts as well as all dead-end readings were taken. If the pressure curve is submitted to the permanently filed in the operator's file, the company the Parker Leakage Test Form shall be a gas-oil ratio test period.