

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO Packer Leakage Test

|                               |                           |        |                           |                                            |                           |                    |
|-------------------------------|---------------------------|--------|---------------------------|--------------------------------------------|---------------------------|--------------------|
| Operator Gulf Oil Corporation |                           |        |                           | Lease Central Drinkard Unit<br>Eunice King |                           | Well No. 103<br>22 |
| Location of Well              | Unit C                    | Sec 28 | Twp 21                    | Rge 37                                     | 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 Comp                    | Tubb                      |        | Gas                       | Flow                                       | Csg.                      | -                  |
| Lower Comp                    | Drinkard                  |        | Oil                       | Pump                                       | Tbg.                      | 2" W.O.            |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:15 A.M. 3-5-79

|                                                          |                                  |                  |
|----------------------------------------------------------|----------------------------------|------------------|
| Well opened at (hour, date): 9:15 A.M. 3-6-79            | Upper Completion                 | Lower Completion |
| Indicate by ( X ) the zone producing.....                |                                  | X                |
| Pressure at beginning of test.....                       | 336                              | 0                |
| Stabilized? (Yes or No).....                             | Yes                              | Yes              |
| Maximum pressure during test.....                        | 340                              | 0                |
| Minimum pressure during test.....                        | 336                              | 0                |
| Pressure at conclusion of test.....                      | 340                              | 0                |
| Pressure change during test (Maximum minus Minimum)..... | +4                               | 0                |
| Was pressure change an increase or a decrease?.....      | increase                         | no change        |
| Well closed at (hour, date): 9:15 A.M. 3-7-79            | Total Time On Production 24 hrs. |                  |
| Oil Production                                           | Gas Production                   |                  |
| During Test: 0 bbls; Grav. -                             | During Test - MCF; GOR -         |                  |
| Remarks                                                  |                                  |                  |

FLOW TEST NO. 2

|                                                          |                                  |                  |
|----------------------------------------------------------|----------------------------------|------------------|
| Well opened at (hour, date): 9:15 A.M. 3-8-79            | Upper Completion                 | Lower Completion |
| Indicate by ( X ) the zone producing.....                | X                                |                  |
| Pressure at beginning of test.....                       | 343                              | 0                |
| Stabilized? (Yes or No).....                             | Yes                              | Yes              |
| Maximum pressure during test.....                        | 343                              | 0                |
| Minimum pressure during test.....                        | 130                              | 0                |
| Pressure at conclusion of test.....                      | 130                              | 0                |
| Pressure change during test (Maximum minus Minimum)..... | -213                             | 0                |
| Was pressure change an increase or a decrease?.....      | decrease                         | no change        |
| Well closed at (hour, date): 9:15 A.M. 3-9-79            | Total time on Production 24 hrs. |                  |
| Oil Production                                           | Gas Production                   |                  |
| During Test: 0 bbls; Grav. -                             | During Test 1328.0 MCF; GOR -    |                  |
| Remarks                                                  |                                  |                  |

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

Approved MAR 14 1979 19  
New Mexico Oil Conservation Commission  
By A. C. Graham  
Title Well Tester  
Date March 12, 1979  
Operator Gulf Oil Corporation  
Title SUPERVISOR DISTRICT

## SOUNDING IN THE MEXICO-EASTERN U.S. BORDER TEST FUNCTIONS

1. A packet leakage test shall be conducted on each multiple completed well within seven days after initial completion of the well, and annually thereafter, as required by the order authorizing the multiple completion. Each test shall be conducted on all multiple completions within seven days following receipt of the test order from the operator, and shall occur at the time of the least well shut-in during which the packet on the tubing has been shut-in. The test shall also be conducted any time that completion is suspected when it is required by the operator.
2. At least 72 hours prior to the commencement of any packet leakage test, the operator shall notify the completion in writing of the exact time the test is to be conducted. Offset operators shall also be so notified.
3. The packet leakage test shall continue when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well has pressure in each zone 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.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no test was performed during Flow Test No. 1. Procedure for Flow Test No. 2 is in the manual for this test but except that the previously produced report shall be retained for the while the previously stated change is produced.

7. All pressures, throughout the entire test, shall be continuously monitored and recorded with recording pressure gages, the number of which must be checked with a dial gage tester at least twice, once at the beginning and once at the end of each flow test.

8. The results of the above described tests shall be filed in triplicate within 15 days after completion of the tests. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission and the District New Mexico Leasing Bureau, Post Box 6716, El Paso, together with the original pressure recording pump charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the above said charts, the operator may construct a pressure versus time curve for each zone of each test, indicating the zone and pressure changes which may be reflected by the gauge charts as well as all dead weight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. The O&G shall also accompany the above leakage test form when the test period coincides with a gas-oil ratio test period.