

**SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST**

|                                      |                           |              |                                         |                                |                           |
|--------------------------------------|---------------------------|--------------|-----------------------------------------|--------------------------------|---------------------------|
| Operator <b>Gulf Oil Corporation</b> |                           |              | Lease <b>C.P. Falby Federal B Field</b> |                                | Well No. <b>1</b>         |
|                                      |                           |              | <b>South Penrose Skelly Unit</b>        |                                | <b>178</b>                |
| Location of Well                     | Unit <b>K</b>             | Sec <b>8</b> | Twp <b>22</b>                           | Rge <b>37</b>                  | County <b>Lea</b>         |
|                                      | Name of Reservoir or Pool |              | Type of Prod (Oil or Gas)               | Method of Prod Flow, Art. Lift | Prod. Medium (Tbg or Cag) |
| Upper Compl                          | <b>Eumont</b>             |              | <b>Oil</b>                              | <b>Standing</b>                | <b>Tbg.</b>               |
| Lower Compl                          | <b>Drinkard</b>           |              | <b>Oil</b>                              | <b>Standing</b>                | <b>Tbg.</b>               |

**FLOW TEST NO. 1**

Both zones shut-in at (hour, date): **10:00 A.M. 4-26-77**

|                                                          |                          |                  |
|----------------------------------------------------------|--------------------------|------------------|
| Well opened at (hour, date):                             | Upper Completion         | Lower Completion |
| Indicate by ( X ) the zone producing.....                |                          |                  |
| Pressure at beginning of test.....                       | <b>3</b>                 | <b>275</b>       |
| Stabilized? (Yes or No).....                             |                          |                  |
| Maximum pressure during test.....                        |                          |                  |
| Minimum pressure during test.....                        |                          |                  |
| Pressure at conclusion of test.....                      |                          |                  |
| Pressure change during test (Maximum minus Minimum)..... |                          |                  |
| Was pressure change an increase or a decrease?.....      |                          |                  |
| Well closed at (hour, date):                             | Total Time On Production |                  |
| Oil Production                                           | Gas Production           |                  |
| During Test: bbls; Grav.                                 | ; During Test MCF; GOR   |                  |
| Remarks <b>Both zones standing</b>                       |                          |                  |

**FLOW TEST NO. 2**

|                                                          |                          |                  |
|----------------------------------------------------------|--------------------------|------------------|
| Well opened at (hour, date):                             | Upper Completion         | Lower Completion |
| Indicate by ( X ) the zone producing.....                |                          |                  |
| Pressure at beginning of test.....                       |                          |                  |
| Stabilized? (Yes or No).....                             |                          |                  |
| Maximum pressure during test.....                        |                          |                  |
| Minimum pressure during test.....                        |                          |                  |
| Pressure at conclusion of test.....                      |                          |                  |
| Pressure change during test (Maximum minus Minimum)..... |                          |                  |
| Was pressure change an increase or a decrease?.....      |                          |                  |
| Well closed at (hour, date):                             | Total time on Production |                  |
| Oil Production                                           | Gas Production           |                  |
| During Test: bbls; Grav.                                 | ; During Test MCF; GOR   |                  |
| Remarks                                                  |                          |                  |

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

Approved \_\_\_\_\_ 19  
New Mexico Oil Conservation Commission

Operator **Gulf Oil Corporation**

By **Original signed by N. G. Hallmark**

by \_\_\_\_\_  
Title \_\_\_\_\_

Title **Well Tester**  
Date **April 29, 1977**

A packer, however, need not be concerned on each multiple completed well within a given interval with the completion of the well, and actually thereafter may be permitted by the operator to continue the well, being required to do so only when demanded by all multiple completions within a given depth interval. The completion of the well on completion of the interval, and thereupon the well is to be abandoned, may be such, which the packer on the tubing have been designed to do. The well shall then be taken on any line that construction be made to be used when required by the production.

2. At least 72 hours prior to the commencement of any nuclear leakage test, the operator shall notify the Commission in writing of the exact time the test is to be commenced. Effluent control records 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 wellhead pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 14 hours.

4. For Flow Test No. 1, the zone of the dust completion shall be produced at the boreal rate of penetration while the other zone remains shut-in. Such test shall be made until the flowing wellhead pressure has become stabilized and few minutes 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.

0. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall be re-injected while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gages, the accuracy of which must be checked with a deadweight 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 on the east New Mexico Backer Leakage Test Form Revised 1-25-50, together with the original pressure recording gauge charts with all the deadweight pressure which were taken indicated herein. 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 all pressure changes which may be reflected by the gauge charts on well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-216 shall also accompany the backer leakage test form when the test period coincides with a gas-oil ratio test period.

RECEIVED  
FEB 2 1977  
OIL CONSERVATION COMM.  
HOBBS, N. M.