

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                         |                             |                              |                                     |                              |                      |                       |  |
|-----------------------------------------|-----------------------------|------------------------------|-------------------------------------|------------------------------|----------------------|-----------------------|--|
| Operator<br><b>Gulf Oil Corporation</b> |                             |                              | Lease<br><b>Learey McBuffington</b> |                              |                      | Well<br>No. <b>14</b> |  |
| Location<br>of Well                     | Unit<br><b>P</b>            | Sec<br><b>13</b>             | Twp<br><b>25S</b>                   | Rge<br><b>37E</b>            | County<br><b>Lee</b> |                       |  |
| Name of Reservoir or Pool               |                             | Type of Prod<br>(Oil or Gas) | Method of Prod<br>Flow, Art Lift    | Prod. Medium<br>(Tbg or Csg) | Choke Size           |                       |  |
| Upper<br>Compl                          | <b>Justis Blinbry</b>       |                              | <b>Oil</b>                          | <b>Pump</b>                  | <b>Tbg.</b>          | <b>3/4"</b>           |  |
| Lower<br>Compl                          | <b>Justis Tubb-Drinkard</b> |                              | <b>Oil</b>                          | <b>Flow</b>                  | <b>Tbg.</b>          | <b>20/64"</b>         |  |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 1:30 PM 2-26-68

|                                                                                               | Upper<br>Completion                         | Lower<br>Completion |
|-----------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| Well opened at (hour, date): <u>1:30 PM 2-27-68</u>                                           |                                             |                     |
| Indicate by ( X ) the zone producing.....                                                     | <u>X</u>                                    |                     |
| Pressure at beginning of test.....                                                            | <u>409</u>                                  | <u>442</u>          |
| Stabilized? (Yes or No).....                                                                  | <u>No</u>                                   | <u>No</u>           |
| Maximum pressure during test.....                                                             | <u>409</u>                                  | <u>641</u>          |
| Minimum pressure during test.....                                                             | <u>83</u>                                   | <u>442</u>          |
| Pressure at conclusion of test.....                                                           | <u>83</u>                                   | <u>641</u>          |
| Pressure change during test (Maximum minus Minimum).....                                      | <u>326</u>                                  | <u>199</u>          |
| Was pressure change an increase or a decrease?.....                                           | <u>Decrease</u>                             | <u>Increase</u>     |
| Well closed at (hour, date): <u>1:30 P M 2-28-68</u>                                          | Total Time On<br>Production <u>24 hours</u> |                     |
| Oil Production                                                                                | Gas Production                              |                     |
| During Test: <u>25</u> bbls; Grav. <u>37.4°</u> ; During Test <u>144</u> MCF; GOR <u>5760</u> |                                             |                     |
| Remarks <u>Pumps 11 x 7 1/4" SPM, 2 BWPD</u>                                                  |                                             |                     |

FLOW TEST NO. 2

|                                                                                             |                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| Well opened at (hour, date): <u>1:30 PM 2-29-68</u>                                         | Upper<br>Completion                         | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                                                   |                                             | <u>X</u>            |
| Pressure at beginning of test.....                                                          | <u>98</u>                                   | <u>784</u>          |
| Stabilized? (Yes or No).....                                                                | <u>No</u>                                   | <u>No</u>           |
| Maximum pressure during test.....                                                           | <u>116</u>                                  | <u>784</u>          |
| Minimum pressure during test.....                                                           | <u>98</u>                                   | <u>53</u>           |
| Pressure at conclusion of test.....                                                         | <u>116</u>                                  | <u>53</u>           |
| Pressure change during test (Maximum minus Minimum).....                                    | <u>18</u>                                   | <u>731</u>          |
| Was pressure change an increase or a decrease?.....                                         | <u>Increase</u>                             | <u>Decrease</u>     |
| Well closed at (hour, date): <u>1:30 PM 3-1-68</u>                                          | Total time on<br>Production <u>24 hours</u> |                     |
| Oil Production                                                                              | Gas Production                              |                     |
| During Test: <u>6</u> bbls; Grav. <u>38.0°</u> ; During Test <u>6</u> MCF; GOR <u>1,000</u> |                                             |                     |
| Remarks <u>Flow 20/64" choke, 0 BWPD</u>                                                    |                                             |                     |

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 \_\_\_\_\_

C. E. Fidler

By \_\_\_\_\_

Title Area Engineer

Title \_\_\_\_\_

Date March 4, 1968

A packer placed in a well shall be commenced on each multiply completed well within seven days after initial completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall be commenced on all multiply completions within seven days following completion of mechanical or chemical or fracture treatment, and whenever remedial work is being done in a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is requested or when requested by the Commission.

The dual zone stabilization test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the pressure in each gas stabilized for a minimum of two days. It is provided however, that they need not remain shut-in more than 14 days.

to be less than 100 feet, and its actual completion shall be produced to be normal and uniform, while the other zone remains stationary, but test shall be run until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however that the test may be terminated earlier than 24 hours.

4. Flow test No. 2 shall be conducted, and, if the test is initiated 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 product to produce the shall re-apply the test with the previously stated test procedure.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with reference to the pressure in the atmosphere of the test chamber. The pressure in the atmosphere of the test chamber shall be continuously measured and recorded with reference to the pressure in the atmosphere of the test chamber.

The results of the above analyses are to be submitted to the Director of the Bureau of Land Management, Department of the Interior, and to the appropriate District Office of the New Mexico Game Conservation Commission on Southern New Mexico Packer Leakage Test Form R-1-58. Before a final official pressure recording is made, the packer leakage test pressure gauge shall be calibrated against the official U.S. Gauging Clock. A leakage gauge shall be used for each test, and the pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be indicated by the gauge, shall be recorded on the designated pressure-leakage test form provided by the pressure gauge manufacturer. The original test must be permanently filed in the operator's office. A true duplicate shall also accompany the Packer Leakage Test Form R-1-58, and be submitted to the Bureau of Land Management.

[illegible]