

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                         |                             |                  |                                     |                                  |                              |                       |  |
|-----------------------------------------|-----------------------------|------------------|-------------------------------------|----------------------------------|------------------------------|-----------------------|--|
| Operator<br><b>Gulf Oil Corporation</b> |                             |                  | Lease<br><b>Learcy McDuffington</b> |                                  |                              | Well<br>No. <b>10</b> |  |
| Location<br>of Well                     | Unit<br><b>L</b>            | Sec<br><b>13</b> | Twp<br><b>258</b>                   | Rge<br><b>37E</b>                | County<br><b>Lea</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 Blinobry</b>      |                  | <b>Oil</b>                          | <b>Pump</b>                      | <b>Tubing</b>                | <b>--</b>             |  |
| Lower<br>Compl                          | <b>Justis Tubb-Drinkard</b> |                  | <b>Oil</b>                          | <b>Pump</b>                      | <b>Tubing</b>                | <b>--</b>             |  |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **11:30 AM 2-9-70**

Well opened at (hour, date): **11:30 AM 2-10-70**

|                                                          |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|
|                                                          | Upper<br>Completion | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                |                     | <b>X</b>            |
| Pressure at beginning of test.....                       | <b>149</b>          | <b>502</b>          |
| Stabilized? (Yes or No).....                             | <b>No</b>           | <b>No</b>           |
| Maximum pressure during test.....                        | <b>149</b>          | <b>502</b>          |
| Minimum pressure during test.....                        | <b>139</b>          | <b>50</b>           |
| Pressure at conclusion of test.....                      | <b>139</b>          | <b>50</b>           |
| Pressure change during test (Maximum minus Minimum)..... | <b>10</b>           | <b>452</b>          |
| Was pressure change an increase or a decrease?.....      | <b>Decrease</b>     | <b>Decrease</b>     |

Well closed at (hour, date): **11:30 AM 2-11-70**

Oil Production During Test: **10** bbls; Grav. **37.2**; Gas Production During Test: **95** MCF; GOR **9500**

Remarks **Pump 12 x 74" SPN, 2 BWPD**

FLOW TEST NO. 2

Well opened at (hour, date): **11:30 AM 2-12-70**

|                                                          |                     |                     |
|----------------------------------------------------------|---------------------|---------------------|
|                                                          | Upper<br>Completion | Lower<br>Completion |
| Indicate by ( X ) the zone producing.....                | <b>X</b>            |                     |
| Pressure at beginning of test.....                       | <b>112</b>          | <b>571</b>          |
| Stabilized? (Yes or No).....                             | <b>No</b>           | <b>No</b>           |
| Maximum pressure during test.....                        | <b>112</b>          | <b>583</b>          |
| Minimum pressure during test.....                        | <b>58</b>           | <b>571</b>          |
| Pressure at conclusion of test.....                      | <b>58</b>           | <b>583</b>          |
| Pressure change during test (Maximum minus Minimum)..... | <b>54</b>           | <b>12</b>           |
| Was pressure change an increase or a decrease?.....      | <b>Decrease</b>     | <b>Increase</b>     |

Well closed at (hour, date): **11:30 AM 2-13-70**

Oil Production During Test: **11** bbls; Grav. **37.2**; Gas Production During Test: **61** MCF; GOR **5545**

Remarks **Pumps 11 x 74" SPN, 1 BWPD**

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

Approved **FEB 24 1970** 19 **Operator Gulf Oil Corporation**  
New Mexico Oil Conservation Commission  
By **J. D. Sublett**  
Title **Area Engineer**  
Date **February 16, 1970**  
By **[Signature]**  
Title **SUPERVISOR DISTRICT 6**

in. in accordance with Paragraph 3 above

6. Flow Test No. 1 shall be conducted every six months and shall be conducted during Flow Test No. 1 procedure for Flow Test No. 2. The results of the same as for Flow Test No. 1, except that the test shall be conducted with the main shut-in while the previously shut-in zone is produced.
7. All pressures throughout the entire test shall be continuously measured and recorded, with recording pressure gauges being used, if which must be checked with a deadweight tester during a calibration test beginning and once at the end of each test run.
8. The results of the above described tests shall be filed in the file of the well 15 days after completion of the test. The results shall be sent to the appropriate District Office of the New Mexico Conservation Commission on Southeast New Mexico Packer Leakage Test and a Review shall be made together with the original pressure recording gauge charts. The original deadweight pressures which were taken indicated thereon, in addition to filing the aforesaid charts, the operator shall also file a pressure recording curve for each zone of each test indicating pressure in pounds per square inch which may be reflected on the gauge charts as well as deadweight pressures readings which were taken. If the pressure gauge charts submitted the original test run be required to be submitted to the District Office. Form C-116 shall also accompany the packed leakage test run when the test results are being submitted to the District Office.