

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                             |                           |           |                              |                                  |                              |                 |  |
|-----------------------------|---------------------------|-----------|------------------------------|----------------------------------|------------------------------|-----------------|--|
| Operator<br>Burleson & Huff |                           |           | Lease<br>Arco                |                                  |                              | Well<br>No. 2-Y |  |
| Location<br>of Well         | Unit<br>H                 | Sec<br>21 | Twp<br>25-S                  | Rge<br>37-E                      | County<br>Lea                |                 |  |
|                             | 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              | Yates Sand - Jalmat       |           | gas                          | flowing                          | casing                       | 1/4             |  |
| Lower<br>Compl              | Queen-Langlie Mattix      |           | gas                          | flowing                          | tubing                       | 1/2             |  |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): April 8, 1977

|                                                                                                           | Upper<br>Completion                         | Lower<br>Completion |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| Well opened at (hour, date): <u>1:00 PM April 9, 1978</u>                                                 |                                             |                     |
| Indicate by ( X ) the zone producing.....                                                                 |                                             | <u>X</u>            |
| Pressure at beginning of test.....                                                                        | <u>45</u>                                   | <u>150</u>          |
| Stabilized? (Yes or No).....                                                                              | <u>-</u>                                    | <u>yes</u>          |
| Maximum pressure during test.....                                                                         |                                             | <u>200</u>          |
| Minimum pressure during test.....                                                                         |                                             | <u>120</u>          |
| Pressure at conclusion of test.....                                                                       | <u>45</u>                                   | <u>120</u>          |
| Pressure change during test (Maximum minus Minimum).....                                                  |                                             | <u>140</u>          |
| Was pressure change an increase or a decrease?.....                                                       |                                             | <u>dec.</u>         |
| Well closed at (hour, date): <u>6:30 AM April 10- 1978</u>                                                | Total Time On<br>Production <u>17 hours</u> |                     |
| Oil Production                                                                                            | Gas Production                              |                     |
| During Test: <u>0</u> bbls; Grav. _____; During Test <u>26</u> MCF; GOR <u>-</u>                          |                                             |                     |
| Remarks <u>Yates (Upper) takes 3 days to get the correct BHP, Pressure recorder could be reading low.</u> |                                             |                     |

FLOW TEST NO. 2

|                                                                            | Upper<br>Completion                          | Lower<br>Completion |
|----------------------------------------------------------------------------|----------------------------------------------|---------------------|
| Well opened at (hour, date): <u>7:00 AM April 11, 1978</u>                 |                                              |                     |
| Indicate by ( X ) the zone producing.....                                  | <u>X</u>                                     |                     |
| Pressure at beginning of test.....                                         | <u>90</u>                                    | <u>160</u>          |
| Stabilized? (Yes or No).....                                               | <u>yes</u>                                   | <u>yes</u>          |
| Maximum pressure during test.....                                          | <u>90</u>                                    |                     |
| Minimum pressure during test.....                                          | <u>60</u>                                    |                     |
| Pressure at conclusion of test.....                                        | <u>60</u>                                    |                     |
| Pressure change during test (Maximum minus Minimum).....                   | <u>30</u>                                    |                     |
| Was pressure change an increase or a decrease?.....                        | <u>dec</u>                                   |                     |
| Well closed at (hour, date) <u>6:30 AM April 12, 1978</u>                  | Total time on<br>Production <u>23½ hours</u> |                     |
| Oil Production                                                             | Gas Production                               |                     |
| During Test: _____ bbls; Grav. _____; During Test <u>5</u> MCF; GOR _____  |                                              |                     |
| Remarks <u>very low volume well - Pull down immediately - only 5 MCFPD</u> |                                              |                     |

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

Approved MAY 9 1978 19  
New Mexico Oil Conservation Commission

Operator Burleson & Huff  
By [Signature]

By [Signature]  
Title SUPERVISOR DISTRICT 1

Title Co-Owner  
Date April 18, 1978

# INSTRUCTIONS FOR NEW MEXICO PACKER LEAKAGE TEST DISTRIBUTION

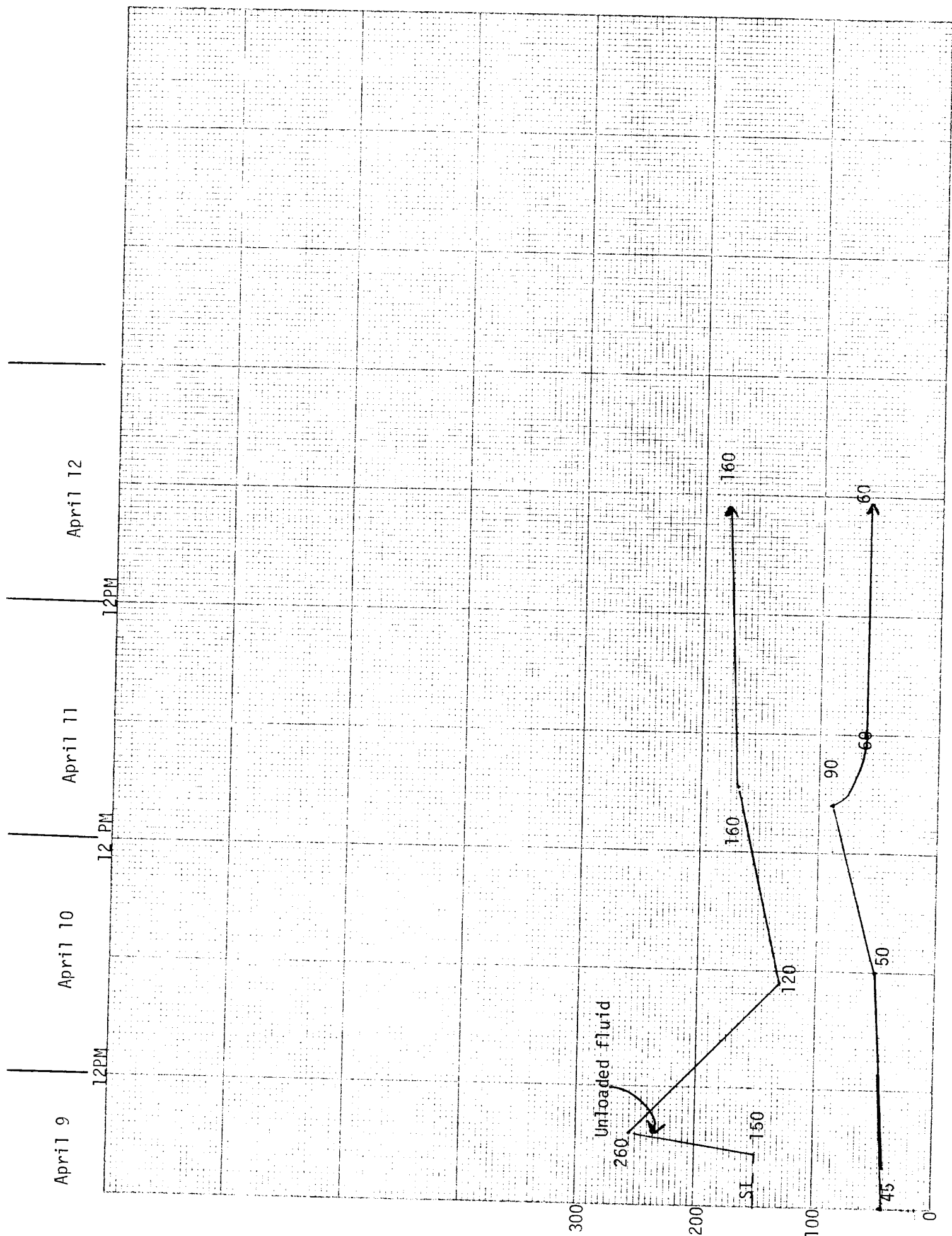
1. A packer leakage test shall be commenced on each multiply completed well within seven days after initial completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Each test shall be commenced on all zones as specified within 15 days of the date of completion of the completion operation. The test shall be conducted on all zones as specified within 15 days of the date of completion of the completion operation. The test shall be conducted on all zones as specified within 15 days of the date of completion of the completion operation. The test shall be conducted on all zones as specified within 15 days of the date of completion of the completion operation.
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 date the test is to be commenced. Offset operators shall also be so notified.
3. The packer leakage test of all completion shall 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. Both 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.

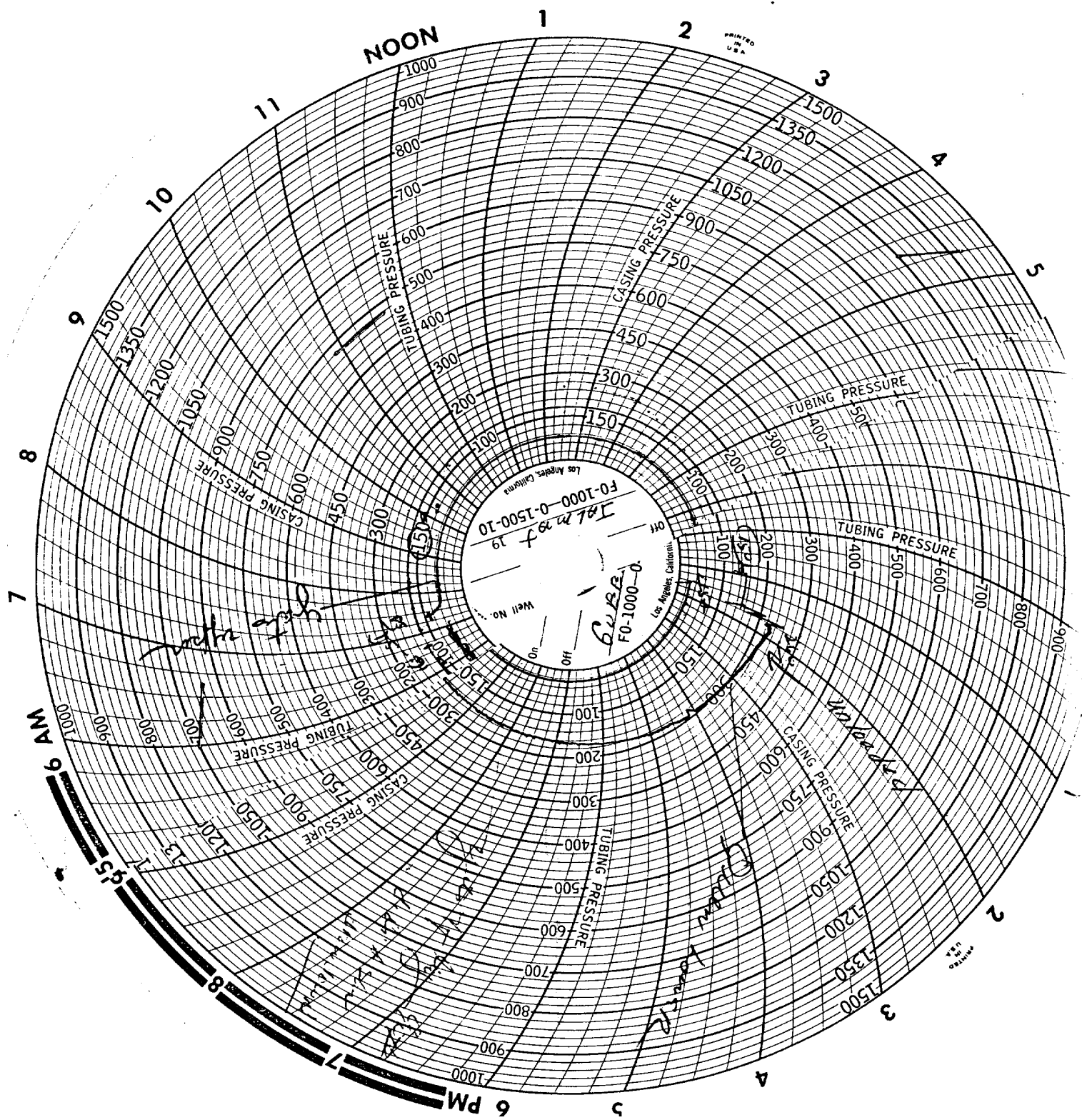
5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no flow was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to lift the casing for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously recorded and recorded with recording pressure gauges, 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 or Southwest New Mexico Packer Leakage Test Form devised 11-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as 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-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.





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