NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.
- 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 time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dusl completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 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 small. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the amosphere due to the law of a pipeline connection the flow period shall be three hours.
- 5. Pollowing completion of Fib. lest No. 1, the well shall again to the in accordance with Paragraph 3 above
- 6. Flow Test No. 2 shall be consucted even though no leak was indic (edduring 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 containing main shut-in while the zone which was previously shut-in is produce.

- The bulkes for gas-zone tests must be measured on each zone with a desiralight pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the seginaing of each flow-period, at fifteen-minute intervals during the first hour thereoff, and at hourly intervals thereafter including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test cata.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure galaxes, she accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The results of the above described tests small be filed in triplicate of miles as a small series of the results of the test. Pests shall be filed with for analyst discript office of the new Mexico dit conservation Commission on Northwest to Mexico Dacker coalsage Test Form Revised 11-158, with all deadweight pressures indicated thereon as well as the flowing temperatures as a loves of the air gravity and GOR (on accessing). A pressure versus time with the series and test small be constructed on the reverse since of the collection of the series as a form with all deadweight pressure points the formation and the reverse since of the pressure charges which may be reflected by the recording gaine chartes. These key pressure changes should also te tabulated on the form of the wicker loakage test form

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NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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- 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 time the test is to be commenced. Offset operators 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 well-head pressure in each has stabilized, grozided however, that they need not remain shut-in more than seven days.
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- Following completion of Flow Test No. 1, the well shall again be shorin, in accordance with Paragraph 3 above.
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- 8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer beakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (di zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Palacr leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicated all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the frent of the Dicker Leakage Test form.

