NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST Well Lease AXI Apache "K" __No.___2 Operator Continental Oil Company Location Rge. www. Method of Prod. County Rio Arriba of Well: Unit B Sec. 4 Twp. 26N Type of Prod. Method of Inc.

(Oil or Gas) (Flow or Art. Lift) Prod. Medium (Tbg. or Csg.) Name of Reservoir or Pool Upper Casing Completion Pictured Cliffs Gas Flow Lower Tubing Gas Completion Mesaverde PRE-FLOW SHUT-IN PRESSURE DATA Stabilized? SI press. Length of Upper Hour, date 9:00 A.M. (Yes or No) No psig 578 time shut-in 72 Hrs. Compl Shut-in **7-7-71** Stabilized? SI press. Length of Lower Hour, date 9:00 A.M. 686 (Yes or No) No 72 Hrs. psig time shut-in Compl Shut-in 7-7-71 FLOW TEST NO. 1 Zone producing (TRANT or Lower): Commenced at (hour, date)* 9:00 A.M. 7-10-71 Prod. Zone Lapsed time Pressure Time Temp. Remarks Upper Compl. Lower Compl. since* (hour, date) 9:00 A.M. At Time of S-I 500 500 7-7-71 9:00 A.M. 675 24 Hrs. after S-1 **568**: 7-8-71 9:00 A.M. 680 48 Hrs. after S-I 573 7-9-71 9:00 A.M. 7-11<u>-71</u> 581 500 24 9:00 A.M. 583 498 48 7-12-71 Production rate during test _Grav.____GOR_ Hrs._ Oil:_____BOPD based on Bbls. in MCFPD; Tested thru (Orifice or Meter): Meter 280 Gas:__ MID-TEST SHUT-IN PRESSURE DATA Stabilized? SI press. Length of Upper Hour, date time shut-in (Yes or No) psig Compl Shut-in SI press. Stabilized? Lower Hour, date Length of (Yes or No) time shut-in psig Compl Shut-in FLOW TEST NO. 2 Zone producing (Upper or Lower): Commenced at (hour, date)** Prod. Zone Pressure Lapsed time Time Remarks Temp. (hour, date) Upper Compl. Lower Compl. since ** AUG 1 9 1971 OIL CON COM. DIST. 3 Production rate during test BOPD based on Bbls. in Hrs. MCFPD; Tested thru (Orifice or Meter): ____Grav.____GOR_ Oil:__ Gas: REMARKS: I hereby certify that the information herein contained is true and complete to the best of my knowledge. Operator Continental Oil Company Approved: 8-19 19 7/ New Mexico Oil Conservation Commission Freuell B**y__**__ Title Administrative Supervisor

Date August 17, 1971

bjs NMOCC-Aztec(3) BEA File

 $\mathtt{Title}_{_}$

PETROLEUM

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.
- 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, 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 shall-in. 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 parker leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shot in, in accordance with Paragraph 3 above.
- 6. 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 remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests mis, be as sured on each zone with a deadweight pressure gauge at time intervals as follows: 3-hour tests immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first non discrett, and at hour yintervals thereafter including one pressure seasurement lamediately prior to the conclusion of each flow period. Index issts lamediately prior to the conclusion of each flow period. However the during each flow period at approximately the midway point) and inmediately prior to the conclusion of each flow period. Other pressures may be taken as desired or may be requested or wells which have including shown questionable test data.

24-hour oil zone tests: all pressures, broughout the miline test, shall be continuously measured and se order with recording observe cauges, the accuracy of which must be checked at least twice once a like Deglaning and once at the end of each test, with a deadweight pressure gauge it a well is a gas-oil or an mil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the cas zone.

8. The results of the above-described tests shall be filed in triplical within 15 days after completion of the test. Tests shall be filed with the Artec District Office of the New Mexico Disconservation Commission on Northwest New Mexico Packer (taxage lest Form Revised 11-158, with air deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GGR officeron of the Packer transfer of the Packer leakage Test Form retained curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve spould also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

PRESSURE (HUMDREDS)

