Revised 11-1-58 NEW MEXICO OIL CONSERVATION COMMISSION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST annie - Felial No. Lease/Ma Operator Amerida Hess Corp County Rio arrilea Location of Well: Unit O Sec. 25 Twp. Prod. Medium Method of Prod. Type of Prod. (Flow or Art. Lift) (Tbg. or Csg.) (Oil or Gas) Name of Reservoir or Pool Dil this. Upper Completion Lower Pixa Completion PRE-FLOW SHUT-IN PRESS RE DATA Stabilized? SI press. Length of Upper Hour, date (Yes or No) time shut-in psig_ M. M. Oak Compl Shut-in 5:15 AIL Stabilized? SI press. Length of (Yes or No) Lower Hour, date psig time shut-in Compl Shut-in FLOW TEST NO: 1 Zone producing (Upper or Lower): 50M 8-15-13 Commenced at (hour, date)* / Prod. Zone Pressure Lapsed time Time Remarks Temp. Upper Compl. Lower hour, date) since* 5'15AM 5-16-73 I L 8-17-73 Ta 5-15-72 a b 8-19-73 da タルスペークろ 2 + Hrs. Grav. +/ GOR Production rate during test
Oil: ______BOPD based on ______Bbls. in__ MCFPD; Tested thru (Orifice or Meter):_ MID-TEST SHUT-IN PRESSURE DATA Stabilized? SI press. Length of Upper Hour, date (Yes or No) osig time shut-in Compl Shut-in Stabilizeq? SI press. Length of Lower Hour, date (Yes or No) psig time shut-in Compl Shut-in FLOW TEST NO. Zone producing (Upper or Lower): Commenced at (hour, date)** Prod. Zone Pressure Lapsed time Time Remarks Upper Compl. Lower Compl. Temp. since ** (hour, date) TOU MED IN Production rate during test Bbls. in ___Grav.____GOR_ Hrs. Oil:

BOPD based on

Bbls. in

Hrs.

Gas:

MCFPD; Tested thru (Orifice or Meter): Gas: REMARKS: Anti Grand to Blanch to the I hereby certify that the information herein contained is true and complete to the best of my knowledge. Operator__ Approved: 9-6 19/3
New Mexico Oil Conservation Commission Approved: Ву____

Title Area Superintendent

Date 8-28-73

PETROLEM THORIES

Title

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on mact sittiply completed well within seven days after actual conjection of the cold and annually thereafter as prescribed by the order authorizing the molitiple completion. Such tests shall also be communed on all multiple conditions within seven days following recorpiction and or chamical on the first freatment, and whenever mendial work has been done on a well multiple rich the packer or the tubing lave been disturbed. Dones shall wise 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 boil zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each his 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 more remains shut-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 packer 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.
- Following completion of Flow Test No. 1, ther well shall again be shutin, 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 must be measured on each zone with a deadweight pressure gauge at time intervals as follows: Johan. Leits iradiately prior to the beginning of each flow period, at fifteen similar intervals during the first hour trereof, and at he ray briegy. There after, including one pressure measurement heachitately given to the conclusion of each flow period. 7-day tests: immediately given to the beginning of rath flow period. At least one time during the flow, which dat approximately the midway point) and irreliately prior to the conclusion of each flow period. Other pressures may be tower as desired, or may be requested on wells which have previously shown questionally test data.
- 24-bour oil zone tests; all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the 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.
- as required above being taken on the gas zone.

 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 Leakage Test Form Revised II-1-18, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GoR (oil zones only). A pressure versus time 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 mould 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.

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