State of New Mexico

Bil Conservation Commission

LAND COMMISSIONER GUYTON B. HAYS MEMBER



1000 RIO BRAZOS RD. AZTEC April 21,1966

STATE GEOLOGIST A. L. PORTER, JR. SECRETARY - DIRECTOR

Sunset International Petroleum Corporation 201 Wall Building Suite 308 Midland, Texas

> RE: Packer-Leakage Test Kutz A#1 K-32-28N-10W

Gentlemen:

Subject test does not prove zone separation within the well bore.

Please cause the necessary testing and remedial steps to begin immediately.

If we can be of assistance please contact us.

Yours very truly,

Supervisor, District #3

Enclosure: cc: w/encl:

Mr. Don Fieldsted

OCC, Santa Fe

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This form is not to be used for reporting packer leakage tests in Southeast New World

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

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NORTHNEST HER LEXICO PACKER LEARAGE TEST INSTRUCTIONS

- 1. A packer lenkage 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 recredit work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at my 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 shill notify the Commission in writing of the exact time the companied offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shat-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided because that they need not remain shut-in more than seven days.
- 4. For Flow Test Fo. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone 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 a noil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a ningling conception the flow meriad shall be three 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 shill 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: 3-hour tests: innediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, 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
- 24-hour 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 checied 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 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 of Northrest New Mexico Packer Leakage 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 (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 should 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.

