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

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator William C. Russell Lease Marron Well No. 45

Location of Well: Unit K Sec. 23 Twp. 27N Rge. 8W County San Juan

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion	Chacra	Gas	Flow	Csg.
Lower Completion	Mesa Verde	Gas	Flow	Tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Compl	7-25	72 Hrs.	518	No
Lower Compl	7-25	72 Hrs.	512	No

FLOW TEST NO. 1

Commenced at (hour, date)* Zone producing (Upper or Lower):

Time (hour, date)	Lapsed time since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
7-27	48 Hrs.	460	504		
7-28	72 Hrs.	618	512		
7-29	96 Hrs.	620	362		
7-30	120 Hrs.	620	386		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Compl				
Lower Compl				

FLOW TEST NO. 2

Commenced at (hour, date)** Zone producing (Upper or Lower):

Time (hour, date)	Lapsed time since **	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks

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OIL CON. COM.
DIST. 3

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

REMARKS: _____

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

Approved: 9-14 19 71
New Mexico Oil Conservation Commission

By _____
PETROLEUM ENGINEER DIST. NO. 3

Title _____

Operator William C. Russell

By GeoLectric, Inc.

Title Agent BHT copies sent

Date _____

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 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 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.

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 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: immediately 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 reading at the conclusion of each flow period. 24-hour tests: same as above during the beginning of each flow period, at least one time during each 24-hour period and at approximately the midway point and at the conclusion of each flow period. Other pressures may be taken as desired, or may be requested by the Commission. All pressures recorded during said tests shall be witnessed by a representative of each of the operators.

24-hour oil zone tests: All pressures, throughout the entire test, shall be continuously recorded with recording pressure gauges, the accuracy of which must be checked at the beginning and end of each test, with a deadweight pressure gauge. If a well is a gas-oil or oil-gas dual completion, the recording gauge shall be used on the oil zone if the oil zone is capable of flowing to the surface naturally; otherwise, the recording gauge shall be used on the gas zone as required above for flowing tests.

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 12-1-55 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity (oil zones only). A schedule of the key time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form, with deadweight pressure points taken indicated thereon. For oil zones, the pressures as recorded on the recording gauge charts. These key pressure changes which may be reflected by the recording gauge charts should also be tabulated on the front of the Packer Leakage Test Form.