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 Consolidated Oil & Gas, Inc. Lease Northwest Well No. 3

Location of Well: Unit C Sec. 6 Twp. 26N Rge. 4W County Rio Arriba

	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	Gallup	Gas	Flow	Tbg
Lower Completion	Dakota	Gas	Flow	Tbg

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 7-25-83	Length of time shut-in 8 days	SI press. psig 789	Stabilized? (Yes or No) YES
Lower Compl	Hour, date Shut-in 7-25-83	Length of time shut-in 8 days	SI press. psig 803	Stabilized? (Yes or No) YES

FLOW TEST NO. 1

Commenced at (hour, date)* 8-2-83 Zone producing (Upper or Lower): LOWER

Time (hour, date)	Lapsed time since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
7-26-83		768	798		Both zones SI
7-27-83		788	798		Both zones SI
7-28-83		789	803		Both zones SI
8-2-83		789	803		Both zones SI
8-3-83	*1 day	789	332		Lower zone flowing
8-4-83	*2 days	791	388		Lower zone flowing

Production rate during test

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

Gas: 327 MCFPD; Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA

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

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

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.

Operator Consolidated Oil & Gas, Inc.

By Barbara C. Lee

Title Production & Drilling Technician

Date 8-16-83

Approved: _____ 19____

New Mexico Oil Conservation Commission

By Original Signed by CHARLES GHOLSON

Title _____

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

A packer leakage test shall be commenced on each multiply completed ... within seven days after actual completion of the well, and annually ... after as prescribed by the order authorizing the multiple completion. ... tests shall also be commenced on all multiple completions within ... days following recompletion and/or chemical or fracture treatment, ... whenever remedial work has been done on a well during which the packer ... or tubing have been disturbed. Tests shall also be taken at any time ... communication is suspected or when requested by the Commission.

... least 72 hours prior to the commencement of any packer leakage test, ... operator shall notify the Commission in writing of the exact time the ... is to be commenced. Offset operators shall also be so notified.

... packer leakage test shall commence when both zones of the dual ... etion are shut-in for pressure stabilization. Both zones shall re... shut-in until the well-head pressure in each has stabilized, provided ... er, that they need not remain shut-in more than seven days.

... or Flow Test No. 1, one zone of the dual completion shall be produced ... the normal rate of production while the other zone remains shut-in. ... test shall be continued for seven days in the case of a gas well and ... 24 hours in the case of an oil well. Note: If, on an initial packer ... ge test, a gas well is being flowed to the atmosphere due to the lack ... pipeline connection the flow period shall be three hours.

... following completion of Flow Test No. 1, the well shall again be shut... in accordance with Paragraph 3 above.

... Flow Test No. 2 shall be conducted even though no leak was indicated ... ring Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same ... for Flow Test No. 1 except that the previously produced zone shall re... main 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 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 data.

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 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 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 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.

□DK △GP

Pressure - psig

1000
900
800
700
600
500
400
300
200

NWP FIELD PROBLEMS—
INTERIM PRESSURES