

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Breech "C" Well No. 248-M
Location of Well: Unit D Sec. 13 Twp. 26 North Rge. 6 West County Rio Arriba
Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	Mesa Verde	Gas	Flow	Tubing
Lower Completion	Dakota	Gas	Flow	Tubing

PRE-FLOW 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. 1

Commenced at (hour, date)*		8:30 AM 11-18-83		Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
8:30 AM 11-19-83	24 Hours	465	612		Both Zones shut-in
8:30 AM 11-20-83	48 Hours	517	642		Both Zones shut-in
8:30 AM 11-21-83	72 Hours	527	681		Both Zones shut-in
8:30 AM 11-22-83	24 Hours	535	302		Mesa Verde shut-in Dakota Flowing
8:30 AM 11-23-83	48 Hours	537	337		Mesa Verde shut-in Dakota Flowing

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

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		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		

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: NOV 30, 1983
Oil Conservation Division

By Original Signed by CHARLES GHOLSON

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Caulkins Oil Company

By Charles Gholson

Title Superintendent

Date 11-25-83

NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

Acoustic leakage test shall be commenced on each multiple completed well within one hour after actual completion of the well and actually before the well is described by the order authorizing the multiple completion. Acoustic tests shall also be commenced on all multiple completions within seven days following completion and/or chemical or fracture treatment, and whenever the well work was being done on a well during which the packer was damaged or packer disturbed. Tests shall also be taken at any time that the Division is requested or when requested by the Division.

At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Division 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.

2. If the test well is the one of the dual completion shall be produced at the initial rate of production while the other zone remains shut-in. Flow shall be continued for seven days in the case of a gas well and for 48 hours in the case of an oil well. Note: If, on an initial packer placement test, a gas well is being flowed to the atmosphere due to the lack of a flowing connection the flow period shall be three hours.

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

Flow Test No. 2 shall be conducted even though no leak was indicated for 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 snail remains open until the zone which was previously shut-in is produced.

7. Pressures for is-cone tests must be measured on each cone 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 the 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 as 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 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.

5. 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 Oil Conservation Division at Northwest New Mexico Packer Leakage Test Form Revised 11-1-70, with all deadweight, pressure, and gravity and GOR (oil zone) data. The following temperatures (Fahrsenheit only) and gravity and GOR (oil zone) data shall be recorded 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 pressure changes which may be reflected by the recording tape. For gas zones, the pressure curve should also be tabulated on the front of the Packer Leakage Test Form.

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are also thicker vertical lines that divide the page into columns, and thicker horizontal lines that divide it into rows, creating larger rectangular sections. The paper is otherwise empty of any markings or text.