

This form is to be used for reporting
packer leakage tests
in southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Breech Well No. 224-A
Location _____
of Well: Unit D Sec. 13 Twp. 26 North Rge. 7 West 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	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)*		Shut-in 11-25-83		Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
11-26-83	24 Hours	411	763		Both Zones shut-in
11-27-83	48 Hours	439	803		Both Zones shut-in
11-28-83	72 Hours	467	822		Both Zones shut-in
11-29-83	96 Hours	477	232		Mesa Verde shut-in - Dakota flow
11-30-83	120 Hours	486	232		Mesa Verde shut-in - Dakota flow

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: _____
Oil Conservation Division

Original Signed by CHARLES GHOLSON

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Caulkins Oil CompanyBy Charles GholsonTitle SuperintendentDate 12-1-83

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. Packer leakage test shall be commenced on each fully completed well within seven days after initial completion of the well, and annually thereafter, commencing on the first anniversary of the initial completion. The test shall be completed on all multiple completions within 30 days following completion of each zone or fracture treatment. The leakage test shall be completed on a well during which the packer is being removed from the well. Tests shall also be taken at any time that completion is re-activated or when requested by the Division.

2. The test shall be completed prior to the commencement of any packer leakage test. The test shall be completed in writing of the exact time the test is to be completed. If the test is not completed, the test shall be so notified.

3. The test shall be completed when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall be shut-in for a minimum of 24 hours prior to the test, provided that the test shall not remain shut-in more than seven days.

4. The test shall be completed on the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. The test shall be completed for seven days in the case of a gas well and for 14 days in the case of an oil well. Note: If, on an initial packer leakage test, a well is shut-in due to the lack of production, the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in for a minimum of 24 hours prior to the test.

6. The test shall be completed when enough oil was indicated during the test. The test shall be completed for Flow Test No. 2 as to be the same as Flow Test No. 1. If the test is not completed, the test shall be so notified. The test shall be completed when enough oil was indicated during the test.

7. Pressures for gas-zone tests must be measured on each zone with a leadweight pressure gauge at time intervals as follows: 1-hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the flow period, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 2-hour 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.

8. 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 leadweight pressure gauge. If a well is a gas-oil or an oil-oil dual completion, the recording gauge shall be required on the oil zone only, with leadweight pressures as required above being taken on the gas zone.

9. The results of the above-described tests shall be filed in duplicate within 15 days after completion of the test. Tests shall be filed with the State District Office of the Oil Conservation Division in Northwest New Mexico Packer Leakage Test Form revised 11-1-78, with all leadweight pressures indicated thereon as well as the flowing temperatures, gas zones only, and gravity and API 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 leadweight 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 in the front of the Packer Leakage Test Form.

