

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Breech C Well No. 248
Location of Well: Unit A Sec. 13 Twp. 26 North Rge. 6 West County Rio Arriba

Name of Reservoir or Pool (Oil or Gas) Type of Prod. Method of Prod. Prod. Medium
(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 8:00 AM	Length of time shut-in	SI press.	Stabilized?
	Shut-in 9-27-82	168 Hrs.	psig 1213	(Yes or No) No
Lower Compl	Hour, date 8:00 AM	Length of time shut-in	SI press.	Stabilized?
	Shut-in 9-27-82	168 Hrs.	psig 937	(Yes or No) No

FLOW TEST NO. 1

Commenced at (hour, date)*8:00 AM 10-4-82 Zone producing (Upper or ~~Lower~~):

Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
8:15 AM 10-4-82	15 Min.	778	941		Mesa Verde Flowing
8:30 AM 10-4-82	30 Min.	622	943		Mesa Verde Flowing
8:45 AM 10-4-82	45 Min.	524	943		Mesa Verde Flowing
9:00 AM 10-4-82	1 Hr.	473	945		Mesa Verde Flowing
10:00 AM 10-4-82	2 Hrs.	328	947		Mesa Verde Flowing
11:00 AM 10-4-82	3 Hrs.	254	949		Mesa Verde 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 11:00 AM	Length of time shut-in	SI press.	Stabilized?
	Shut-in 10-4-82	165 Hrs.	psig 1211	(Yes or No) NO
Lower Compl	Hour, date 8:00 AM	Length of time shut-in	SI press.	Stabilized?
	Shut-in 9-27-82	336 Hrs.	psig 913	(Yes or No) No

FLOW TEST NO. 2

Commenced at (hour, date)** 8:00 AM 10-11-82 Zone producing (~~Upper~~ or Lower):

Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
8:00 AM 10-14-82	72 Hrs.	1212	381		Dakota Flowing
8:00 AM 10-16-82	120 Hrs.	1213	340		Dakota Flowing
8:00 AM 10-18-82	168 Hrs.	1214	363		Dakota Flowing

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: OCT 28 1982 19
Oil Conservation Division

Original signed by CHARLES VERGUE

Operator Caulkins Oil Company

By Charles Vergue

Title Superintendent

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date 10-26-82

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within 30 days after initial completion of the well, and annually thereafter, as required by the order authorizing the multiple completion. Such tests shall also be conducted on all multiple completions within 30 days after any cementation and/or chemical or fracture treatment, and whenever the oil zone and gas zone on a well during which the packer is shut-in have been shut-in. Tests shall also be taken at any time that a completion is suspended or when requested by the Division.

2. Prior to the commencement of any packer leakage test, the operator shall advise the Division in writing of the exact time the test is to be conducted. If test operators shall also be so notified.

3. A packer leakage test shall commence when both zones of the dual completion are at initial pressure stabilization. Both zones shall remain shut-in until the well-head pressure on each has stabilized, provided however that the well has not been shut-in more than seven days.

4. On completion of Test No. 1, the same of the dual completion shall be produced in a shut-in condition while the other zone remains shut-in. Production shall be continued 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 gas well is not flowed to the atmosphere due to the lack of flow, the duration of the flow period shall be three hours.

5. On completion of Test No. 1, the well shall again be shut-in, as required by the instructions above.

6. The second test shall be conducted even though no leak was indicated during the first test. The instructions for Flow Test No. 2 is to be the same as for Test No. 1, except that the previously produced zone shall remain shut-in and 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: 1-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 one-half way 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-oil 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 taken in triplicate within 30 days after completion of the test. Tests shall be filed with the Area District Office of the Oil Conservation Division in Northwest New Mexico Packer Leakage Test Form Revised 10-1-73, with all deadweight pressures indicated thereon as well as the flowing temperatures, gas lines 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 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.

