

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Merrion & Bayless Loano Delhi Taylor C Woll
No. 1

Location
of Well: Unit M Sec. 4 Twp. 26N Rge. 11W 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.)
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Upper completion	Gallup	Oil	Flow	Casing
Lower completion	Dakota	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 8/27/79	Length of time shut-in 72 hrs	SI press.. psig 340	Stabilized? (Yes or No) No
Lower Compl	Hour, date Shut-in 8/27/79	Length of time shut-in 72 hrs	SI press.. psig 285	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)*	8/27/79	Zone producing (Upper Or Lower):	Lower
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Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
8/28		136	255		Both zones shut-in
8/29		245	285		
8/30		340	285		
8/31		340	240		Flow Lower zone
9/1		340	240		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: 13 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):
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[illegible]

production rate during test

BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
 MCFPD, Tested thru (Orifice or Meter): _____

REMARKS:

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

Approved: JAN 15 1980 19
Oil Conservation Division

Original Signed by FRANK T. CHAVEZ

1410

Operator Merrion & Bayless

By John Anderson

Title () Production Supervisor

Date January 8, 1980

NEW MEXICO OIL FIELD Packer Leakage Test Instructions

1. The packer leakage test shall be commenced on each multiple completion well immediately after initial completion of the well, and annually thereafter, until the order authorizing the multiple completion. The test shall also be commenced on all multiple completions within 30 days of initial completion and of chemical or fracture treatment, and if any remedial work has been done on a well during which the packer leakage has been disturbed. Tests shall also be taken at any time packer leakage is suspected or when requested by the Division.

2. At least 12 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 completed. If test 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 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. The test shall be continued for seven days in the case of a gas well and for three days in the case of an oil well. Under No. 1, on an initial packer leakage test, this well is being flowed to the atmosphere due to the lack of a gas separator the flow period shall be three hours.

5. After completion of Flow Test No. 1, the well shall again be shut-in for stabilization with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated on 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 1-hour 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 Area District Office of the Oil Conservation Division, District West, New Mexico Packer Leakage Test Form Revised 10-1-78, 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 indicated on the front of the Packer Leakage Test Form.

