

OIL CONSERVATION DIVISION

Revised 10-1-78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator J. Gregory Merriam Isano Edna Well No. 2

Location of Well: Unit 0 Sec. 7 Twp. 24N Rge. 6W 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 Cpg.)
Upper Completion	Pictured Cliffs	Gas	Flow	Tubing
Lower Completion	Gallup/ Mesa Verde	Oil	Pumping	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 7/8/79	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in 7/8/79	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)*		7/8/79		Zone producing (Upper Or Lower):	
Time hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
7/9		105	95		Both zones shut-in
7/10		105	95		
7/11		140	95		
7/12		210	3		Flow Lower zone
7/13		250	3		

Production rate during test

Oil: 0 BOPD based on 0 Bbls. in 0 Hrs. 0 Grav. 0 GOR 0
Gas: 0 MCFPD; Tested thru (Orifice or Meter): 0 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	Remarks
		Upper Compl.	Lower Compl.	Temp.	

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DIST. 3

Production rate during test

Oil: 0 BOPD based on 0 Bbls. in 0 Hrs. 0 Grav. 0 GOR 0
Gas: 0 MCFPD; Tested thru (Orifice or Meter): 0

MARKS: _____

I 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 J. CHAVEZ

DEPUTY OIL CONSERVATION DIVISION

Operator J. Gregory Merriam

By John Anderson

Title Production Supervisor

Date January 8, 1980

1. A packer leakage test shall be commenced on each multiple completed well within seven days of partial completion of the well and annually thereafter until the well is under authority for the ultimate completion. The test shall also be the test of all multiple completions within seven days of completion and/or fracture treatment. No fracture treatment shall be done on a well during which the packer leakage test has been interrupted. Tests shall also be taken at any time that completion is interrupted 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 commenced. District 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.
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 shut-in zone shall remain shut-in for seven days in the case of a gas well and for 14 days in the case of an oil well. (Note: 15, on an initial packer leakage test, if the well is not flowed to the atmosphere due to the lack of sufficient production the flow period shall be three hours.)
5. Following 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 during 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 required 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 1 hour intervals 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 required 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 District Office of the Oil Conservation Division on Northwest 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 tabulated on the front of the Packer Leakage Test Form.

