

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

NORTHEAST NEW MEXICO PACKER-LEAKAGE TEST

Well No. 20 (PM)

Operator El Paso Natural Gas Company Lease San Juan

Location of Well: Unit K Sec. 35 Twp. 29 Rge. 9 County San Juan

Type of Prod. Method of Prod. Prod. Medium

Name of Reservoir or Pool (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	PC	Gas	flow	
Lower Completion	MV	Gas	flow	tbg.

PRE-FLOW SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	1-18-81	3	224	
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	1-18-81	3	296	

FLOW TEST NO. 1

Commenced at (hour, date)* 1-21-81 Zone producing (Upper or Lower):

Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
1-19-81	1 Day	210	290		
1-20-81	2 Days	218	296		
1-21-81	3 Days	224	296		
1-22-81	1 Day	222	266		
1-23-81	2 Days	221	266		

Production rate during test

Oil: BOPD based on Bbls. in Hrs. Grav. GOR

Gas: 114 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):

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.

JAN 30 1981

Approved: 19 Oil Conservation Division

By Original Signed by CHARLES GHOLSON

Title DEPUTY OIL & GAS INSPECTOR, DIST.

Operator El Paso Natural Gas Company

By ORIGINAL SIGN D.H.E. McANALLY

Title Well Test Engineer

Date January 30, 1981

NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

[illegible]

1. The following instructions apply to the commencement of any packer leakage test:

a. The test shall be initiated by the Division at the time of the exact time the test is commenced. Test operators shall also be so notified.

It was found that under such shell conditions when both zones of the dual zone system are in the temperature stabilization. Both zones shall remain stable until the shell temperature in each has stabilized, provided that the time they have not been shut-in more than seven days.

At the time of the start of the first completion shall be produced at the normal rate of formation while the other zone remains shut-in. Should it shall be continued for seven days in the case of a gas well and for 14 hours in the case of an oil well. Note: If, on an initial packer installation, this well is vented to the atmosphere due to the lack of a wellhead connection, the flow period shall be three hours.

1. Following completion of Phase Part 1, the well shall again be shut-

1. The test shall be conducted when enough gas leak was indicated during the test No. 1. Procedure for Flow Test No. 2 is to be the same as test No. 1 except that the previously produced zone shall remain shut-in while the same zone is 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 15-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. 1-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 at any time, as may be requested on wells with have previously shown significant inflow, or data.

24-hour oil zone tests: All pressures, throughout the testing 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 differential pressure gauge. If a well is a partial or an oil-loss test completion, the recording gauge shall be required in the oil zone only, with differential pressure 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 Aztec District Office of the Oil Conservation Division, on Southwest New Mexico Packer Leakage Test Form Revised 10-1-78, with all deadweight (only) and gravity and SGF (all zones as well as the flowing temperatures for zones for each zone of each test well (all zones only)). A pressure versus time curve for the Packer Leakage Test Form shall be constructed on the reverse side of the indicated thereon. For oil zones all deadweight pressure points taken 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.

