

THIS FORM IS TO BE USED FOR PACKER LEAKAGE TESTS IN SOUTHWEST NEW MEXICO

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator El Paso Natural Gas Company Lease Huerfano Unit Well No. 107 (GD)
Location of Well: Unit E Sec. 35 Twp. 27 Rge. 10 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.)
Upper Completion	Gallup	Oil	Flow	Csg.
Lower Completion	Dakota	Gas	Flow	

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	1-25-81	Length of time shut-in	3	SI press. psig	101	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in	1-25-81	Length of time shut-in	3	SI press. psig	665	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)*				1-28-81		Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks		
		Upper Compl.	Lower Compl.				
1-26-81	1 Day	101	665				
1-27-81	2 Days	101	665				
1-28-81	3 Days	101	665				
	15 Min.	0	665				
	30 Min.	0	665				
	45 Min.	0	665				

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.		
1-28-81	1 Hour	0	665		
	2 Hours	0	665		
	3 Hours	0	665		

Production rate during test

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

REMARKS: THE GALLUP ZONE BLEW DEAD IN ONE MINUTE 15 SECONDS.

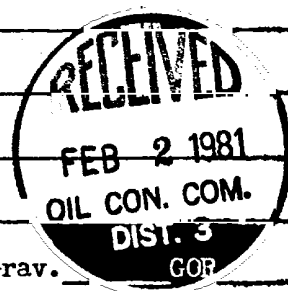
I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: FEB 2 1981 19

Oil Conservation Division

Original Signed by CHARLES GHOLSON

By _____

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3Operator El Paso Natural Gas CompanyBy H. E. McAnallyTitle Well Test EngineerDate February 2, 1981

NEW MEXICO PICKER LEAKAGE TEST INSTRUCTIONS

1. The leakage test shall be performed on each multiply completed well, or on each zone of a well, and initially completed by the order authorizing the multiple completion. The test shall also be performed on all multiple completions within 30 days of completion of the well or fracture treatment, and on any well which has been shut-in during which the packer has been disturbed. Tests shall also be taken at any time the completion is repaired or when requested by the Division.
2. The test shall be performed prior to the commencement of any packer leakage test. The test shall be performed in writing of the exact time the test is performed. Other operators shall also be so notified.
3. The test shall be performed on both zones of the dual completion. Both zones shall be produced at the same time. The pressure in each has stabilized, provided the test flow period is shut-in more than seven days.
4. The test shall be performed on one zone of the dual completion shall be produced at the same time as the other zone remains shut-in. The test shall be performed on one zone of a gas well and on one zone of an oil well. If, on an initial packer leakage test, a gas well is not closed to the atmosphere due to the lack of a gas seal, the flow period shall be three hours.
5. On a dual completion of flow test No. 1, the well shall again be shut-in and stabilized with pressure 1 above.
6. The test No. 2 shall be conducted even though no leak was indicated on the test No. 1. The 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: 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. 2-day tests: immediately prior to the beginning of each flow period, at least once 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-oil 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 Aztec District Office of the Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-1-78, with 11 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.

