ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Revised 10/1/78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator El Paso Natural Gas Company Lease San Juan 28-7 Unit Well No. 172 (PC

Location of Well: Unit K Sec. 16 Twp. 27 Rge. 7 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 Csg.)
Upper Completion	PC	Gas	Flow	Csg.
Lower Completion	CH	Gas	Flow	Csg.

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (~~Yes~~ or No)
Upper Compl	7-18-82	3 Days	104	
Lower Compl	7-18-82	3 Days	169	

FLOW TEST NO. 1

Commenced at (hour, date)* 7-21-82 Zone producing (~~Upper~~ or Lower):

Time (hour, date)	Lapsed time since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
7-19-82	1 Day	104	161		
7-20-82	2 Days	104	165		
7-21-82	3 Days	104	169		
7-22-82	1 Day	104	167		
7-23-82	2 Days	104	165		

Production rate during test

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

Gas: 4 MCFPD; Tested thru (~~Orifice~~ or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

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

FLOW TEST NO. 2

Commenced at (hour, date)** Zone producing (Upper or Lower):

Time (hour, date)	Lapsed time since **	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks

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DIST. 3

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: JUL 27 1982 19____

Oil Conservation Division

Original Signed by CHARLES GHOLSON

By _____

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator El Paso Natural Gas Company

By D. E. McAnally

Title Area Prod. Engineer

Date July 27, 1982

[illegible] PACKER LEAKAGE TEST INSTRUCTIONS

1\. [illegible] shall be commenced on each multiply completed [illegible] the actual completion of the well, and annually [illegible] order [illegible] the multiple completion. [illegible] on all multiple completions within [illegible] chemical or fracture treatment, [illegible] during which the packer [illegible]. Tests shall also be taken at any time [illegible] or when requested by the Division.

2\. [illegible] 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the [illegible] operators shall also be so notified.

3\. [illegible] test shall commence when both zones of the dual [illegible] shut-in for pressure stabilization. Both zones shall re- [illegible] pressure [illegible] has stabilized, provided [illegible] 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 [illegible] rate of production while the other zone remains shut-in. [illegible] shall be continued for seven days in the case of a gas well and [illegible] 24 [illegible] in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5\. Following completion of Flow Test No. 1, the well shall again be shut-in in accordance 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 measured on each zone with a deadweight pressure gauge at time intervals as follows: [illegible] tests: immediately prior to the [illegible] -minute intervals [illegible] there- [illegible], including [illegible] zone [illegible] of [illegible] the beginning of each flow [illegible] period [illegible] approximately [illegible] con- clusion of each [illegible] sired, or [illegible] requested on wells [illegible] test data.

24-hour oil zone tests: All pressures, throughout the entire test, shall be continuously [illegible] 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 oil-gas dual completion, the record- ing 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 all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and [illegible] (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 indi- cated 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.