NEW MEXICO
OIL CONSERVATION COMMISSION

8-15-56

PACKER LEAKAGE TEST (SAN JUAN BASIN)

Operator **Amerada Petroleum Corp.** Pool (Upper Completion) **Picture Cliff**
Lease **J. Apache "F" #2** Pool (Lower Completion) **Laventana**
Location: Unit **B**, S. **17**, T. **25-N** R. **5-W**, **Rio Arriba** County, N. Mex.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in (date)	7-25-56	7-25-56
Pressure Measured (Dwt.) (date)	830	940

Flow Test No. 1

Test commenced at (hour, date) **10:00 AM, 11-1-56** Choke size **1-1/2"**
Completion producing **Laventana** Completion shut-in **Picture Cliff**

	Upper Completion		Lower Completion	
Pressure at beginning of test	830	psi	940	psi
Maximum pressure during test	830	psi	940	psi
Minimum pressure during test	825	psi	110	psi
Pressure at end of test	830	psi	110	psi
Maximum pressure change during test	5#	psi	830	psi

Oil flow rate during test: _____ BOPD based on _____ BO in _____ hours
Gas Flow rate during test:
Choke volume _____ MCFD; Meter volume _____ MCFD.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in (date)	11-1-56	11-1-56
Pressure measured (Dwt) (date)	860	939

Flow Test No. 2

Test commenced at (hour, date) **11-8-56** 10:45 AM, Choke size **3/4"**
Completion producing **Picture Cliff** Completion shut-in **La Ventana**

	Upper Completion		Lower Completion	
Pressure at beginning of test	860	psi	939	psi
Maximum pressure during test	860	psi	940	psi
Minimum pressure during test	16	psi	939	psi
Pressure at end of test	16	psi	940	psi
Maximum pressure change during test	844	psi	1	psi

Oil flow rate during test: _____ BOPD based on _____ BO in _____ hours
Gas flow rate during test:
Choke Volume _____ MCFD; Meter volume _____ MCFD.

Test performed by **H. E. Hegwood** Title **Farm Boss**
Witnessed by **A. R. Kendrick** Title **Engineer, Dist. #3, Oil Con. Comm.**
REMARKS: **Baker Model D Production Packer, PSI Nipple with Separation Sleeve**

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by the Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.

Horace E Hegwood For **Amerada Petroleum Corporation**
(Representative of Company making test) (Company Making Test)

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INSTRUCTIONS

(NORTHWEST NEW MEXICO ONLY)

1. At least seventy-two hours prior to the commencement of this test, the operator shall have notified the Aztec Office of the Oil Conservation Commission in writing of the exact time said test is to be commenced.

2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in at least seven days. This shut-in must show on the charts of the pressure recorder and also must appear on the data sheets.

3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued for seven days and shall be at a rate of flow approximating the normal rate of flow for the zone being produced. Note: Where gas is flowed to the atmosphere in taking the initial packer test, the well shall be flowed for three hours.

4. Following the completion of flow test No. 1, the well will again be shut-in for seven days.

5. Flow Test No. 2 shall be performed with the previously shut-in side of the dual completion flowing and with the flowing side of the completion used in Flow Test No. 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.

6. All pressures throughout the entire test, must be continuously measured and recorded with recording pressure gauges.

7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge (Dwt), and such readings shall be recorded on the test data sheet provided.

8. This form must be completed and filed in duplicate with the Aztec Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:

   a. all of the charts, or copies thereof, used on the pressure recorders during the test.

   b. The test data-sheet (s), or copies thereof, required under paragraph 7 above.

   c. a graph depicting the pressures and their changes for both sides of the completion over the entire test.

9. This packer leakage test shall be performed upon the dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual deliverability test on gas wells. This test shall be required until the Commission has sufficient information on testing dual completions in San Juan Basin on which to base a simplified packer leakage test. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.

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