

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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Revised 10/01/73

This form is to be
used for reporting
data from a well
in Southwest New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Mac Producing Tx & NM Inc. Well No. 3
Location of Well Unit M Sec. 52 Twp. 26 N R. 3 W 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 Cas.)
Comp.	Tapacito Fractured Cliffs	Gas	Flow	TBG.
Lower Completion	Blanco Mesa Verde	Gas	Flow	TBG.

PRE-FLOW SHUT-IN PRESSURE DATA

Hour, date shut-in	Length of time shut-in	St. press. psig	Stabilized? (Yes or No)
11-20-89	3 Days	570 #	Yes
Hour, date shut-in	Length of time shut-in	St. press. psig	Stabilized? (Yes or No)
11-20-89	3 Days	465 #	Yes

FLOW TEST NO. 1

TIME		PRESSURE		PROD. ZONE TEMP.	S.I. REMARKS	
Start	End	Upper Completion	Lower Completion			
11-23-89	1 Day	570	330	Date	11-20-89	11-21-89
11-24-89	2 Day	585	320	UPPER	536	570
				LOWER	320	480

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Production rate during test

_____ BOPD based on _____ bbl. in _____ Hours. _____ Grav. _____ GOR _____

Gas: 46 MCFPD: Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

Hour, date shut-in	Length of time shut-in	St. press. psig	Stabilized? (Yes or No)
Hour, date shut-in	Length of time shut-in	St. press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

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FLOW TEST NO. 1

Commenced at (hour, date)		Zone producing (Upper or Lower)			
Time	Elapsed Time Since Test	Pressure		Production Rate	Remarks
		Surface Pressure	Bottom Hole Pressure		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hour _____ 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: **DEC 06-1989** 19 _____ Operator: Mobil Oil Prod. U.S. INC.
New Mexico Oil Conservation Division

Original Signed by CHARLES GROLEON

By _____ Title: Prod. Tech. ITitle: DEPUTY OIL & GAS INSPECTOR, DIST. #1 Date: 12-4-89

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as described by this order authentic to the multiple completion. Such tests shall also be commenced on multiple completion wells within seven days following recompletion and/or chemical or temperature treatment. This requirement shall not be waived in a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time test communication is suspected or when requested by the Division.

2. At least 24 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. Official operation shall then commence.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in and pressure stabilization. Both zones shall remain shut-in until the well-head pressure is stabilized and reported, provided however, that they need not remain shut-in more than seven days.

4. For the first test, the zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continuous for seven days. For the second test, the zone of the dual completion shall be produced at an initial rate of production for 24 hours in the rate of an oil well. Thereafter, an initial rate of production shall be maintained for 24 hours in the rate of an oil well. The rate of production for the first test shall be three hours.

5. For the second test, if the well has been shut-in in excess of seven days, the test shall be continuous for seven days.

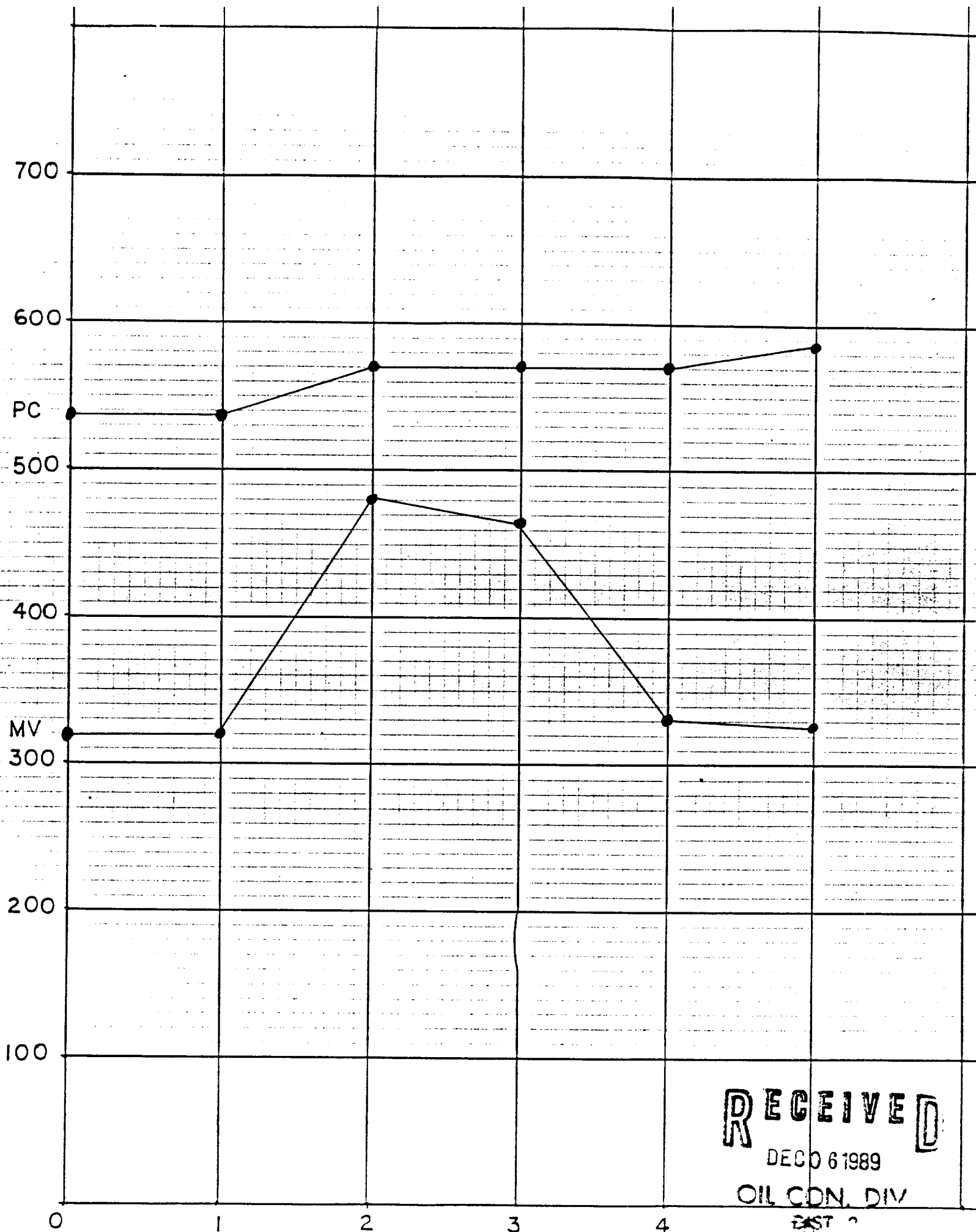
6. For the third test, the test shall be continuous for seven days. For the fourth test, the test shall be continuous for seven days.

that the previously produced zone shall remain shut-in while the zone which was previously produced is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge or tube manometer as follows: 3-hour test: 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 test: 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 as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone test: 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 Asset District Office of the New Mexico Oil Conservation Division or Northwest New Mexico Packer Leakage Test Form Revised 10/81/82 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).



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