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STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

**OIL CON. DIV.**  
DIST. 3

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Revised 10/01/78

This form is not to  
be used for reporting  
packer leakage tests  
in Southeast New Mexico

1997

**NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST**

Operator CHATEAU OIL & GAS, INC. Lease HOYT Well No. 2  
Location of Well: Unit L Sec. 5 Twp. 26N Rgc. 4W 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	MESA VERDE	GAS	FLOW	TBG
Mid	GALLUP	GAS	FLOW	TBG
Lower Completion	DAKOTA	GAS	FLOW	TBG

**PRE-FLOW SHUT-IN PRESSURE DATA**

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper	12/5			
Mid	12/5	3 Days	259	yes
Lower Completion	12/5	3 Days	575	yes

**FLOW TEST NO. 1**

Commenced at (hour, date) * <u>12/8</u>					Zone producing (Upper or Lower): <u>LOWER</u>	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE			PROD. ZONE TEMP.	REMARKS
		Upper Completion	MID	Lower		
12/6		238/233	502	482		All zones shut in
12/7		250/244	529	496		All zones shut in
12/8		264/259	549	575		All zones shut in
12/9	1 day	254/261	566	102		Flowing lower zone
12/10	2 days	263/263	579	93		Flowing lower zone

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: 346 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 Completion				
Lower Completion				

(Continue on reverse side)

## 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 Completion	Lower Completion		

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ 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 Feb. 25 1998  
New Mexico Oil Conservation DivisionBy Johnny Robinson  
Title Deputy O & G InspectorOperator CHATEAU OIL & GAS, INC.  
By Wayne E. Peterson  
Title PRODUCTION ANALYST  
Date 2/18/98

## 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 prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 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. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that 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 at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours 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.

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: 3 hours 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. 7-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 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-gas dual completion the recording gauge shall be required on the oil zone only, with deadweight 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 New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised