

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

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Southland Royalty Co Lease CALW Well No. 15M  
Location Unit J Sec. 31 Twp. 29N Rge. 9W 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	<u>Menavende</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>
Lower completion	<u>Dakota</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>

## PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper completion	<u>2-9-93</u>	<u>3 DAYS</u>	<u>380</u>	
Lower completion	<u>3-9-93</u>	<u>3 DAYS</u>	<u>426</u>	

## FLOW TEST NO. 1

FLOW TEST NO. 1					
Commenced at (hour, date)*		Zone producing (Upper or Lower):			
3-12-93		Upper			
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
3-10-93		378	409		
3-11-93		379	418		
3-12-93		380	426		
3-13-93		381	230		
3-14-93		381	215		

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MAR 17 1993

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**DIST 3**

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or 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

Time (hour, date) **		Zone producing (Upper or Lower):			
Time (hr)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Flow rate during test

\_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

\_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

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

1 MAR 17 1993 19 \_\_\_\_\_  
New Mexico Oil Conservation Division

Original Signed by CHARLES GROLSON

Operator Southland Royalty, Inc.

By SUSAN DOLAN  
OPERATIONS ASSISTANT

Title \_\_\_\_\_

Date MAR 17 1993

DEPUTY OIL & GAS INSPECTOR, DIST. 1

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

Packer leakage test shall be commenced on each multiply completed well within 72 hours after actual completion of the well, and annually thereafter as prescribed by the Division. Such tests shall also be commenced on all completions within seven days following recompletion and/or chemical or fracturing, and whenever remedial work has been done on a well during which the tubing have been disturbed. Tests shall also be taken at any time that completion is suspected or when requested by the Division.

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 well also be so notified.

Packer leakage test shall commence when both zones of the dual completion are pressure stabilized. Both zones shall remain shut-in until the well-head pressure has stabilized, provided however, that they need not remain shut-in more than 72 hours.

Flow Test No. 1, one zone of the dual completion shall be produced at the normal flow rate while the other zone remains shut-in. Such test shall be continued for 72 hours in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on a packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a connection the flow period shall be three hours.

Flow Test No. 2, the well shall again be shut-in, in accordance with Paragraph 3 above.

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: 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 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 Axtel District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).