

Northwest New Mexico  
Oil Conservation Division  
P.O. Box 10000  
Albuquerque, New Mexico

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Sanchez Well No. 5  
Location  
of Well: Unit M Sec. 25 Twp. 26 North Rge. 6 West County Rio Arriba

Type of Prod. Method of Prod. Prod. Medium  
Name of Reservoir or Pool (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	<u>South Blanco Pictured Cliffs</u>	<u>Gas</u>	<u>Flow</u>	<u>Tubing</u>
Lower Completion	<u>Otero Chacra</u>	<u>Gas</u>	<u>Flow</u>	<u>Tubing</u>

## PRE-FLOW SHUT-IN PRESSURE DATA

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

## FLOW TEST NO. 1

Commenced at (hour, date)*		<u>1-25-81 1:45 PM</u>		Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>1:45 PM 1-26-81</u>	<u>24 Hours</u>	<u>164</u>	<u>269</u>		<u>Both Zones Shut In</u>
<u>1:45 PM 1-27-81</u>	<u>48 Hours</u>	<u>173</u>	<u>278</u>		<u>Both Zones Shut In</u>
<u>1:45 PM 1-28-81</u>	<u>72 Hours</u>	<u>181</u>	<u>284</u>		<u>PC Shut In, Chacra Opened</u>
<u>1:45 PM 1-29-81</u>	<u>24 Hours</u>	<u>186</u>	<u>224</u>		<u>Chacra Flowing</u>
<u>1:45 PM 1-30-81</u>	<u>48 Hours</u>	<u>186</u>	<u>159</u>		<u>Chacra Flowing</u>

## Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

## MID-TEST SHUT-IN PRESSURE DATA

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

## 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 Compl.	Lower Compl.		

## 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: FEB 18 1981 19  
Oil Conservation Division

Original Signed by CHARLES GHOLSON

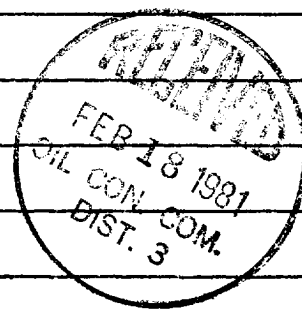
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Caulkins Oil Company

By Charles Gholson

Title Superintendent

Date 2-13-81



### THE TACOM'S LEAKAGE TEST: INSTRUCTIONS

[illegible]

1. The commencement of any packer leakage test, and the operator in writing of the exact time the test is started. Operators shall also be so notified.

... 1. The time when last none of the dual  
... 2. The time when last none of the dual  
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... 9. The time when last none of the dual  
... 10. The time when last none of the dual

[illegible]

... the well shall again be shut-

... .. 1 was shown no leak was indicated  
... .. for low test no. 2 is to be the same  
... .. the previously defined zone still re-  
... .. "shut-in" is produced.

7. Pressures for gas-zone tests must be measured in each well with a deadhead pressure gauge at time intervals as follows: (a) 15-minute intervals immediately prior to the beginning of each flow period, and at intermediate intervals during the first hour thereafter, and at least one hour after, including one pressure measurement immediately before the conclusion of each flow period. 3-day tests: immediately prior to the beginning of each flow period, at least one hour after the beginning of each flow period, and approximately the midway point and immediately prior to the conclusion of each flow period. Other pressure measurements may be desired, or may be requested, or wells which have previously shown a significant test drop.

24-hour oil zone tests: All pressures, including the initial 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 standard pressure gauge. If a well is a gas-oil or oil-gas well, the recording of the recording gauge shall be required on the oil zone only, with bottom-hole pressures as required above being taken on the gas zone.

5. The results of the above-described tests shall be reported in a separate listing 15 days after completion of the tests. Tests shall be carried out with the Mexican District Office of the Oil Conservation Program in the Northwest Mexican Packer Leakage Test Form Revised 1-1-77, which includes background processing and related charts as well as the following information: test zones only; and gravity and GOR of test zones only. A pressure versus time curve for each zone of each test shall be included. A procedure versus time curve for the Packer Leakage Test Form with all data points in the pressure-time curve indicated thereon. For oil zones, the pressure-time curve shall be plotted for all key pressure changes which may be determined by the test and test charts. These key pressure changes shall include a minimum of 10% of the Packer Leakage Test form.

