

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Breech E Well No. 53
Location of Well: Unit A Sec. 3 Twp. 25 N Rge. 6 E County Albany

	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>San Juan</u>	<u>Gas</u>	<u>Flow</u>	<u>Tubing</u>
Lower Completion	<u>San Juan</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)*9:40 am 10-2-73				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
10-3-73 0:40 am	04 hrs	420	470		Both zones shut in
10-4-73 0:40 am	41 hrs	435	480		ditto
10-5-73 0:40 am	72 hrs	430	290		USI; tubs opened
10-6-73 0:40 am	24 hrs	439	280		tubs flowing
10-7-73 0:40 am	41 hrs	430	270		ditto

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	Remarks
		Upper Compl.	Lower Compl.	Temp.	

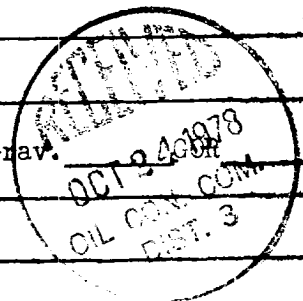
Production rate during test
Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____
Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

REMARKS: _____

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

Approved: _____ 19_____
New Mexico Oil Conservation Commission
By _____ Signed by _____
Title _____
Date 10-23-73

Operator Caulkins Oil Company
By Dwayne Bennett
Title Production Foreman
Date 10-23-73



1. A packer leakage test shall be conducted on each newly completed well within seven days after actual completion of the well, and thereafter as prescribed by the order authorizing the well completion. Such tests shall also be conducted on a well after completion within seven days following recompletion and on a well after a surface 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 Commission.
2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the District Office of the time and date the test is to be commenced. Official written notification shall be filed.
3. The packer leakage test shall commence the day after completion. After completion are shut-in for pressure stabilization. After pressure stabilization, the main shut-in until the well-head pressure on each test interval is reached; however, that they need not remain shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the well completion shall be produced at the normal rate of production for a period of 24 hours. After completion of such test shall be continued for 24 hours. After the 24-hour period, the well shall be shut-in for 24 hours in the case of an oil well. After the 24-hour period, the well shall be shut-in for 24 hours in the case of a gas well. After the 24-hour period, the well shall be shut-in for 24 hours in the case of a pipeline connection the test period shall be 24 hours.
5. Following completion of Flow Test No. 1, the well shall be shut-in in accordance with Paragraph 3.
6. Flow Test No. 2 shall be conducted on each well after completion of Flow Test No. 1. The procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1, except that the well shall be shut-in for 24 hours after the main shut-in while the zone which was produced during Flow Test No. 1 is produced.

Pressure and temperature data must be measured on each zone with the following time intervals as follows: 3-hour 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 completion 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 completion 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 recorded and recorded with recording pressure gauge. The accuracy of such gauge shall 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 also recorded above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 10 days after completion of the test. Tests shall be filed with the District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (oil zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points shown indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge readers. These key pressure changes should also be tabulated on the Northwest New Mexico Packer Leakage Test Form.

