

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Continental Oil Company Lease Jicarilla 28 Well No. 7
Location of Well: Unit J Sec. 27 Twp. 25N Rge. 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 Completion	<u>Callup</u>	<u>Oil</u>	<u>Flow</u>	<u>Casing</u>
Lower Completion	<u>Dakota</u>	<u>Oil</u>	<u>Flow</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>10:00 AM</u>	Length of time shut-in	<u>72 hrs</u>	SI press. psig	<u>895</u>	Stabilized? (Yes or No)	<u>No</u>
Lower Compl	Hour, date	<u>10:00 AM</u>	Length of time shut-in	<u>72 hrs</u>	SI press. psig	<u>560</u>	Stabilized? (Yes or No)	<u>No</u>

FLOW TEST NO. 1

Commenced at (hour, date)* <u>10:00 AM 5-18-69</u>				Zone producing (Upper production):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>1:00 PM 5-18-69</u>	<u>3 hrs</u>	<u>280</u>	<u>566</u>		
<u>10:00 AM 5-19-69</u>	<u>24 hrs</u>	<u>143</u>	<u>590</u>		

Production rate during test

Oil: 25 BOPD based on 25 Bbls. in 24 Hrs. 45.2 Grav. 3000
Gas: 75 MCFPD; Tested thru (Orifice or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>10:00 AM</u>	Length of time shut-in	<u>72 hrs</u>	SI press. psig	<u>835</u>	Stabilized? (Yes or No)	<u>No</u>
Lower Compl	Hour, date	<u>10:00 AM</u>	Length of time shut-in	<u>168 hrs</u>	SI press. psig	<u>650</u>	Stabilized? (Yes or No)	<u>No</u>

FLOW TEST NO. 2

Commenced at (hour, date)** <u>5-22-69 10:00 AM</u>				Zone producing (Upper Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>1:00 PM 5-22-69</u>	<u>3 hrs</u>	<u>845</u>	<u>200</u>		
<u>10:00 AM 5-23-69</u>	<u>24 hrs</u>	<u>904</u>	<u>70</u>		

Production rate during test

Oil: 10 BOPD based on 10 Bbls. in 24 Hrs. 46.0 Grav. 3000
Gas: 30 MCFPD; Tested thru (Orifice or Meter): Meter

REMARKS:

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

Approved: 7-7-69
New Mexico Oil Conservation Commission

By [Signature]

Title PETROLEUM ENGINEER DIST. NO. 3

Operator CONTINENTAL OIL COMPANY.

By

Title Admin. Section Chief

Date 7-16-69

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST FORM

1. A packer leakage test shall be commenced on a well in a gas zone well within seven days after actual completion of the well. Thereafter, as prescribed by the order authorizing the well completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or mechanical repair, and whenever remedial work has been done on a well. The packer or the tubing have been disturbed. Tests shall also be run whenever communication is suspected or when requested by the Commission.
2. At least 72 hours prior to the commencement of a packer leakage test the operator shall notify the Commission in writing of the date the test is to be commenced. Offset operators shall also be notified.
3. The packer leakage test shall commence with the well shut-in. Completion are shut-in for pressure stabilization. The well shall be main shut-in until the well-head pressure is recorded. However, that they need not remain shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the well is shut-in. Such test shall be continued for seven days in the case of an oil well and for 24 hours in the case of a gas well. After the test is completed, a gas well is being flowed to the surface, the test of a pipeline connection the flow period shall be over.
5. Following completion of Flow Test No. 1, the well shall be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even if the well is shut-in during Flow Test No. 1. Procedure for Flow Test No. 2 shall be as for Flow Test No. 1 except that the well shall be shut-in while the zone which was previously produced is being produced.

7. Pressures for gas-zone tests shall be measured on each zone with a deadweight pressure gauge at 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 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 tests. Tests shall be filed with the Aztec 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 (gas zones only) and gravity and GOR for 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 taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

