

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Continental Oil Company Lease Jicarilla 28 Well No. 8  
Location of Well: Unit C Sec. 28 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>Gallup</u>	<u>Oil</u>	<u>Flow</u>	<u>Casing</u>
Lower Completion	<u>Bakota</u>	<u>Oil</u>	<u>Flow</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date <u>10:30 AM 3-2-70</u>	Length of time shut-in <u>72 hours</u>	SI press. psig <u>910</u>	Stabilized? (Yes or No) <u>No</u>
Lower Compl	Hour, date <u>10:30 AM 3-2-70</u>	Length of time shut-in <u>72 hours</u>	SI press. psig <u>820</u>	Stabilized? (Yes or No) <u>No</u>

FLOW TEST NO. 1				
Commenced at (hour, date)* <u>10:30 AM, 3-5-70</u>			Zone producing ( <del>Upper</del> Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Remarks
		Upper Compl.	Lower Compl.	
<u>10:30 AM 3-2-70</u>		<u>465</u>	<u>465</u>	<u>Before Shut-in</u>
<u>10:30 AM 3-3-70</u>		<u>825</u>	<u>720</u>	<u>24 Hrs. After Shut-in</u>
<u>10:30 AM 3-4-70</u>		<u>855</u>	<u>770</u>	<u>48 Hrs. After Shut-in</u>
<u>1:30 PM 3-5-70</u>	<u>3 Hrs.</u>	<u>910</u>	<u>140</u>	
<u>10:30 AM 3-6-70</u>	<u>24 Hrs.</u>	<u>980</u>	<u>90</u>	

Production rate during test  
Oil: 21 BOPD based on 21 Bbls. in 24 Hrs. 47.2 Grav. GOR 3714  
Gas: 78 MCFPD; Tested thru (Orifice or Meter): 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 <del>Lower</del> ):	
Time (hour, date)	Lapsed time since **	Pressure		Remarks
		Upper Compl.	Lower Compl.	

Production rate during test  
Oil: 27 BOPD based on 27 Bbls. in 24 Hrs. 45.7 Grav. GOR 2481  
Gas: 67 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: 4-13 1970  
New Mexico Oil Conservation Commission  
By A. R. Kendrick  
Title PETROLEUM ENGINEER  
Operator Continental Oil Company  
Original Signed By: EVERETT D. WILSON  
By  
Title Administrative Section Chief  
Date 4-9-70

1. A packer leakage test shall be commenced on a well which has been completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the well's completion. Such tests shall also be commenced on all existing wells which have been seven days following recompletion and/or chemical treatment of the well, and whenever remedial work has been done on a well causing the packer or the tubing have been disturbed. Tests shall also be conducted on wells where that communication is suspected or when recommended 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 exact time the test is to be commenced. Offset operators shall also be notified.
3. The packer leakage test shall commence immediately after the well has been completion are shut-in for pressure stabilization. The well shall remain shut-in until the well-head pressure has stabilized. The well shall, however, that they need not remain shut-in for more than 72 hours.
4. For Flow Test No. 1, one zone of the well shall be shut-in and produced at the normal rate of production while the other zones are shut-in. Such test shall be continued for seven days or until the well-head pressure has stabilized for 24 hours in the case of an oil well. Note: If, during a packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall not be counted.
5. Following completion of Flow Test No. 1, the well shall be shut-in again, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though the well is indicated during Flow Test No. 1. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously shut-in zone shall remain shut-in while the zone which was previously flowed 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-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 test. 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 1-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas 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 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.

