

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Continental Oil Company Lease Jicarilla 28 Well No. 3  
Location  
of Well: Unit P Sec. 35 Twp. 25N Rge. 4W County Rio Arriba

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

Upper Completion	<u>Gallup</u>	<u>Oil &amp; Gas</u>	<u>Flow</u>	<u>Casing</u>
Lower Completion	<u>Dakota</u>	<u>Oil &amp; Gas</u>	<u>Flow</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	1:30 P.M.	Length of time shut-in	72 Hrs.	SI press. psig	235	Stabilized? (Yes or No)	<u>No</u>
Lower Compl	Hour, date	1:30 P.M.	Length of time shut-in	72 Hrs.	SI press. psig	1130	Stabilized? (Yes or No)	<u>No</u>

FLOW TEST NO. 1

Commenced at (hour, date)*		1:30 P.M.		1-24-66		Zone producing ( <del>Upper</del> Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks		
		Upper Compl.	Lower Compl.				
4:30 P.M.							
1-24-66	3 Hrs.	238	40		w/Recorder		
1:30 P.M.							
1-25-66	24 Hrs.	265	30		w/Deadweight Gauge & Recorder		

Production rate during test

Oil: 98 BOPD based on 98 Bbls. in 24 Hrs. Grav. GOR 2898  
Gas: 284 MCFPD; Tested thru (Orifice or Meter): Orifice

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	1:30 P.M.	Length of time shut-in	168	SI press. psig	358	Stabilized? (Yes or No)	
Lower Compl	Hour, date	1:30 P.M.	Length of time shut-in	72	SI press. psig	1006	Stabilized? (Yes or No)	

FLOW TEST NO. 2

Commenced at (hour, date)**		1:30 P.M.		1-28-66		Zone producing (Upper <del>XXXXXX</del> ):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks		
		Upper Compl.	Lower Compl.				
4:30 P.M. 1-28-66	3 Hrs.	5	1010		w/Recorder		
1:30 P.M. 1-29-66	24 Hrs.	10	1040		w/Deadweight & Recorder		

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OIL CON. COM.

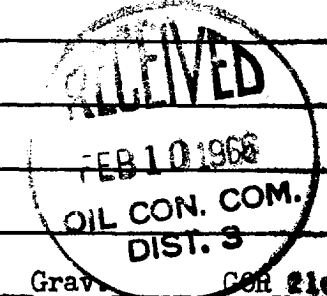
Production rate during test

Oil: 12 BOPD based on 12 Bbls. in 24 Hrs. Grav. GOR 2167  
Gas: 26 MCFPD; Tested thru (Orifice or Meter): Orifice

REMARKS: Initial packer-leakage test after installation of downhole commingling equipment as approved by Commission.

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

Approved: 2-10-1966  
New Mexico Oil Conservation Commission  
By [Signature]  
Title PETROLEUM ENGINEER DIST. NO. 3  
Operator Continental Oil Company  
By ORIGINAL SIGNED BY  
FRED VAN MATRE  
Title District Engineer  
Date 2-4-66



# PACKER LEAKAGE TEST INSTRUCTIONS

1. The well shall be tested on each multiply completed zone, and annually thereafter, during the multiple completion. Such tests shall be made on each zone during which the packer is set, or during which the well is shut-in, or at any time requested by the Commission.
2. In the event of any packer leakage test, the Commission shall also be so notified.
3. The well shall be shut-in when both zones of the dual completion have stabilized, provided the well is not to be shut-in for more than seven days.
4. For the purpose of this test, the well shall be shut-in at the time the other zone remains shut-in. Such tests shall be made at least once in the case of a gas well and for each zone of an oil well. If, on an initial packer leakage test, the well is shut-in due to the lack of a pressure response, the test shall be three hours.
5. The well shall be shut-in, the well shall again be shut-in, the well shall be shut-in.
6. If, during the test, no leak was indicated, the test No. 2 is to be the same as for the first test. The well shall be 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-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 the 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 State District Office of the New Mexico Oil Conservation Commission or the State District Office of the New Mexico Oil Conservation Commission or the State District Office of the New Mexico Oil Conservation Commission. 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.

## PRESSURE (HUNDREDS OF POUNDS)

