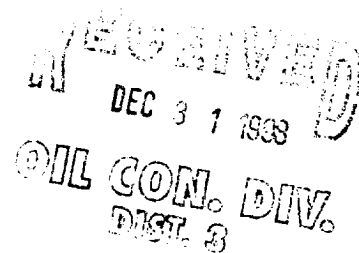




## PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

December 29, 1998



NM Oil & Gas Conservation Division  
Attn: Charlie T. Perrin  
1000 Rio Brazos Road  
Aztec, NM 87410

San Juan 32-7 Unit #36  
F 08-32N, 07W, API 30-045-11501

Dear Mr. Perrin:

In reference to your letter dated December 21, 1998 about Packer Leakage Tests on the referenced well, we acknowledge your request to have the well remediated and retested to show separation of the two zones. We have several engineers gone till after the first of the year because of the holidays and there won't be anyone to review the well data until at least the week of the 4<sup>th</sup>. We would like to request at least another month to review well data and then try to secure a rig to do the workover.

Please call me at 599-3448 to let me if you will grant us another month to review the data on this well and have the work completed.

Sincerely,

PHILLIPS PETROLEUM COMPANY

Terry Bowker  
Well Tester



# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
[http://nemurd.state.nm.us/ocd/District III/3ddistrict.htm](http://nemurd.state.nm.us/ocd/District%20III/3ddistrict.htm)

This form is not to  
be used for reporting  
packer leakage tests  
in Southeast New Mexico

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Revised 11/16/98

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST 017654

Operator Phillips Petroleum Company Lease Name San Juan 32-7 Unit Well No 36

Location of Well: Unit Letter F Sec 8 Twp 32N Rge 7W API # 30-0 45-11501

	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	Mesaverde	gas	flowing	tubing
Lower Completion	Dakota	gas	flowing	tubing

### PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 10-25-00	Length of time shut-in 3 days	SI press. Psig 495	Stabilized? (Yes or No) yes
Lower Completion	Hour, date shut-in 10-25-00	Length of time shut-in 3 days	SI press. Psig 502	Stabilized? (Yes or No) yes

### FLOW TEST NO. 1

Commenced at (hour, date)*				Zone producing (Upper or Lower):	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
10-29-00	24 hrs	510	420		Lower flowing; Upper SI
10-30-00	48 hrs	512	403		Lower flowing; Upper SI

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

### MID-TEST SHUT-IN PRESSURE DATA

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

(Continue on reverse side)

## FLOW TEST NO. 2

Commenced at (hour, date)**			Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME Since**	PRESSURE		PROD. ZONE	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ 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 \_\_\_\_\_ 19 \_\_\_\_\_  
 New Mexico Oil Conservation Division

Operator Phillips Petroleum Company

ORIGINAL SIGNED BY DEPUTY OIL &amp; GAS INSPECTOR

By Jim Kennedy Jim Kennedy

By \_\_\_\_\_  
 Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title Temporary Well TesterDate 11/6/00

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture 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 Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test no. 2 is to be the same as for Flow Test No. 1 except

that the previously produced zone shall remain shut-in while the zone which was previously 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 hours 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 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 Division on northwest new Mexico packer leakage Test Form Revised 11-18-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).