

# RECEIVED

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STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

OIL CON. DIV  
DIST. 3

Page  
Revised 10/01/7

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

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator AMOCO PRODUCTION CO. Lease Primer Gas Line Well No. A#1  
Location of Well: Unit R Sec. 29 Twp. 29N Rge. 10E County SAN JUAN

|                  | NAME OF RESERVOIR OR POOL | TYPE OF PROD.<br>(Oil or Gas) | METHOD OF PROD.<br>(Flow or Art. Lift) | PROD. MEDIUM<br>(Type or Gas) |
|------------------|---------------------------|-------------------------------|----------------------------------------|-------------------------------|
| Upper Completion | <u>Primer</u>             | <u>Gas</u>                    | <u>Art. Lift</u>                       |                               |
| Lower Completion | <u>Primer</u>             | <u>Gas</u>                    | <u>Art. Lift</u>                       |                               |

### PRE-FLOW SHUT-IN PRESSURE DATA

| Upper Completion | Hour, date shut-in | Length of time shut-in | SI press. psig | Stabilized? (Yes or No) |
|------------------|--------------------|------------------------|----------------|-------------------------|
|                  | <u>12/11</u>       | <u>7:00</u>            | <u>539</u>     | <u>Yes</u>              |
| Lower Completion | Hour, date shut-in | Length of time shut-in | SI press. psig | Stabilized? (Yes or No) |
|                  | <u>12/11</u>       | <u>7:00</u>            | <u>11</u>      | <u>Yes</u>              |

### FLOW TEST NO. 1

| Commenced at hour, date |                      |                  |                  | Zone producing (Upper or Lower) |                         |
|-------------------------|----------------------|------------------|------------------|---------------------------------|-------------------------|
| TIME<br>Hour, date      | LAPSED TIME<br>SINCE | PRESSURE         |                  | PROD. ZONE<br>TEMP.             | REMARKS                 |
|                         |                      | Upper Completion | Lower Completion |                                 |                         |
| <u>12/11</u>            | DAY 1                | <u>543 PSI</u>   | <u>11 PSI</u>    |                                 | BOTH ZONES SHUT IN      |
| <u>12</u>               | DAY 2                | <u>547 PSI</u>   | <u>11 PSI</u>    |                                 | BOTH ZONES SHUT IN      |
| <u>13</u>               | DAY 3                | <u>515 PSI</u>   | <u>11 PSI</u>    |                                 | BOTH ZONES SHUT IN      |
| <u>14</u>               | DAY 4                | <u>589 PSI</u>   | <u>11 PSI</u>    |                                 | Lower zone well shut in |
| <u>15</u>               | DAY 5                | <u>599 PSI</u>   | <u>11 PSI</u>    |                                 |                         |
| <u>16</u>               | DAY 6                | <u>627 PSI</u>   | <u>11 PSI</u>    |                                 |                         |

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) |
|                  |                    |                        |                |                         |

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## FLOW TEST NO. 2

| Commenced at (Date, 24hr) ** |                         |                  |                  | Zone producing (Upper or Lower) |         |
|------------------------------|-------------------------|------------------|------------------|---------------------------------|---------|
| TIME<br>(Date, 24hr)         | LAPSED TIME<br>SINCE ** | PRESSURE         |                  | PROD. ZONE<br>TEMP.             | 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 JAN 02 1990 19 \_\_\_\_\_  
New Mexico Oil Conservation Division

Original Signed by CHARLES GHOLSON

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

Operator Amoco Prod. Co.  
By [Signature]  
Title Oper. Sup.  
Date 12/28/89

### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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. Official 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 on 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 case-

that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressure for gas-oil tests shall be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours each; immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, at hourly intervals thereafter, including one pressure measurement immediately prior to conclusion of each flow period. 7-day tests: immediately prior to the beginning of flow period, at least one time during each flow period (at approximately the mid-point) and immediately prior to the conclusion of each flow period. Other pressures be taken as desired, or may be requested on wells which have previously shown a detectable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuous measured and recorded with recording pressure gauges the accuracy of which are checked at least twice, once at the beginning and once at the end of each test, or 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 pressure on top above being taken on the gas zone.

8. The results of the above-described test shall be filed in triplicate within 15 days completion of the test. Tests shall be filed with the Area District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form No. 10-01-70 with all deadweight pressure indicated shown as well as the (the