

STATE OF NEW MEXICO  
ENERGY and MINERALS  
DEPARTMENTThis form is not to  
be used for reporting  
packer leakage tests  
in Southeast New Mexico

## OIL CONSERVATION DIVISION

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Revised 10/01/78

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease MIMS STATE COM Well No. 1ALocation of Well: Unit D Sect 16 Twp. 029N Rge. 009W 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>(Tbg. or Csg.) |
|------------------|---------------------------|-------------------------------|----------------------------------------|--------------------------------|
| Upper Completion | PICTURED CLIFFS           | Gas                           | Artificial                             | Tubing                         |
| Lower Completion | MESAVERDE                 | Gas                           | Artificial                             | Tubing                         |

## PRE-FLOW SHUT-IN PRESSURE DATA

| Upper Completion | Hour, date shut-in | Length of time shut-in | SI press. psig | Stabilized? (Yes or No) |
|------------------|--------------------|------------------------|----------------|-------------------------|
|                  | 10/9/97            | 144 Hours              | 169            |                         |
| Lower Completion | Hour, date shut-in | Length of time shut-in | SI press. psig | Stabilized? (Yes or No) |
|                  | 10/9/97            | 96 Hours               | 338            |                         |

## FLOW TEST NO. 1

| Commenced at (hour,date)* |                       | 10/13/97         |                  | Zone producing (Upper or Lower) |         |
|---------------------------|-----------------------|------------------|------------------|---------------------------------|---------|
| TIME<br>(hour,date)       | LAPSED TIME<br>SINCE* | PRESSURE         |                  | PROD. ZONE                      | REMARKS |
|                           |                       | Upper Completion | Lower Completion | TEMP                            |         |
| 10/14/97                  | 120 Hours             | 170              | 143              |                                 |         |
| 10/15/97                  | 144 Hours             | 170              | 138              |                                 |         |
|                           |                       |                  |                  |                                 |         |
|                           |                       |                  |                  |                                 |         |
|                           |                       |                  |                  |                                 |         |
|                           |                       |                  |                  |                                 |         |

RECEIVED  
IN DEC 24 1997  
OIL CON. DIV.  
DIST. 3

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

Production rate during test

CONFIDENTIAL

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

~~DEC 29 1997~~  
619

New Mexico Oil Conservation Division

Johnny Johnson

Deputy Oil & Gas Inspector

Date \_\_\_\_\_

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 completion. Such test shall be conducted in accordance with the following:

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 following recompletion and/or chemical or freeze-seal 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 pressure gauge as 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 flow period, at least once time during 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.
2. The packer leakage test shall commence when both zones of the dual completion are shut-in for stabilized, provided however, that they need not remain shut-in more than seven days.
3. 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 if 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.
4. 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.
7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge as 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 flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.
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 of North-western New Mexico Packer Leakage Test Form Revised 10/01/78 with all deadweight pressures indicated (packer as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only)