

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1  
Revised 10/01/78

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator SOUTHLAND ROYALTY CO. Lease CAT DRAW Well No. 1E  
Location of Well: Unit C Sec. 4 Twp. 30N Rge. 5W County SAN JUAN

|                  | NAME OF RESERVOIR OR POOL | TYPE OF PROD.<br>(Oil or Gas) | METHOD OF PROD.<br>(Flow or Art. Lift) | PROD. MEASUREMENT<br>(Tbg. or Csg.) |
|------------------|---------------------------|-------------------------------|----------------------------------------|-------------------------------------|
| Upper Completion | MESA VERDE                | GAS                           | FLOWING                                | TBG                                 |
| Lower Completion | DAKOTA                    | GAS                           | FLOWING                                | TBG                                 |

PRE-FLOW SHUT-IN PRESSURE DATA

|                  |                              |                                  |                       |                         |
|------------------|------------------------------|----------------------------------|-----------------------|-------------------------|
| Upper Completion | Hour, date shut-in<br>2-1-92 | Length of time shut-in<br>3 DAYS | SI press. psig<br>782 | Stabilized? (Yes or No) |
| Lower Completion | Hour, date shut-in<br>2-1-92 | Length of time shut-in<br>3 DAYS | SI press. psig<br>15  | Stabilized? (Yes or No) |

FLOW TEST NO. 1

| Continued 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 |                                 |         |
| 2-2-92                     |                       | Csg TBG<br>789 - 782 | 15               |                                 |         |
| 2-3-92                     |                       | 789 - 782            | 15               |                                 |         |
| 2-4-92                     |                       | 789 - 782            | 15               |                                 |         |
| 2-5-92                     |                       | 789 - 782            | 15               |                                 |         |
| 2-6-92                     |                       | 789 - 782            | 15               |                                 |         |
|                            |                       |                      |                  |                                 |         |

RECEIVED  
MAR 3 01992  
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)

**Have producing (upper) or lower**

**Production rate during test**

**BOPD based on**

पा.

**Gray.**

**GOR**

**MCFPD: Tested thru (Office or Meter):**

**Remarks:**

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

MAR 3 0 1992

61

## Operator

SOUTHLAND ROYALTY CO.

**New Mexico Oil Conservation Division**

Original Signed by CHARLES GHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

**Tide**

**अथ**

## Tide

By

OPERATIONS ASSISTANT

7661 22 MAR 27 1997

**अथ**

**NORTHWEST NEW MEDCO PACKER LEAKAGE TEST INSTRUCTIONS**

1. A pocket leakage test shall be commenced on each multiply completed well within seven days after second completion of the well, and annually thereafter as prescribed by the order authorizing the specific completion. Such tests shall also be commenced on all multiply completed wells when given any following recompletion and/or chemical or fire water treatment, and whenever remedial work has been done on a well during which the pocket or the tubing have been disturbed. Tests shall also be taken at any later time when recompletion is required or when requested by the Division.
2. As soon as practicable to the commencement of any pocket leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Other operations shall also be so notified.

1. The pocket 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.
2. 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 conducted for seven days in the case of a gas well and for 24 hours in the case of an oil well. When it is ascertained that the gas well is being flowed to the atmosphere due to the back-flow of a liquid product through the test, a gas well is being flowed to the atmosphere for a period of a specified maximum the flow period shall be three hours.
3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
4. The results of the above-described test shall be filed in duplicate within 15 days after completion of the test. Tests shall be filed with the Arroyo District Office of the New Mexico Conservation Division on Northern New Mexico District Landmark Test Form as revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).