

This form is to be  
filled out for each well  
being tested in the  
Northwest New Mexico  
Packer-Leakage Test.

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator El Paso Natural Gas Company Lease San Juan 28-7 Unit Well No. 206 (PC)  
Location of Well: Unit B Sec. 20 Twp. 27 Rge. 7 County Rio Arriba

| 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 <u>PC</u> | <u>gas</u>                    | <u>flow</u>                            |                                |
| Lower Completion <u>CH</u> | <u>gas</u>                    | <u>flow</u>                            | <u>csg.</u>                    |

PRE-FLOW SHUT-IN PRESSURE DATA

| Upper Compl | Hour, date<br>Shut-in | Length of<br>time shut-in | SI press.<br>psig | Stabilized?<br>(Yes or No) |
|-------------|-----------------------|---------------------------|-------------------|----------------------------|
|             | <u>2-1-81</u>         | <u>3</u>                  | <u>15</u>         | <u>Yes</u>                 |
| Lower Compl | Hour, date<br>Shut-in | Length of<br>time shut-in | SI press.<br>psig | Stabilized?<br>(Yes or No) |
|             | <u>2-1-81</u>         | <u>3</u>                  | <u>7.5</u>        | <u>Yes</u>                 |

FLOW TEST NO. 1

| Commenced at (hour, date)* <u>2-4-81</u> |                       |                                       |                     | Zone producing (Upper or Lower): |  |
|------------------------------------------|-----------------------|---------------------------------------|---------------------|----------------------------------|--|
| Time<br>(hour, date)                     | Lapsed time<br>since* | Pressure<br>Upper Compl. Lower Compl. | Prod. Zone<br>Temp. | Remarks                          |  |
| <u>2-2-81</u>                            | <u>1 Day</u>          | <u>15</u> <u>7.5</u>                  |                     |                                  |  |
| <u>2-3-81</u>                            | <u>2 Days</u>         | <u>15</u> <u>7.5</u>                  |                     |                                  |  |
| <u>2-4-81</u>                            | <u>3 Days</u>         | <u>15</u> <u>7.5</u>                  |                     |                                  |  |
| <u>2-4-81</u>                            | <u>15 Min.</u>        | <u>15</u> <u>DEAD</u>                 |                     | <u>CHARCA ZONE BLEW DEAD IN</u>  |  |
| <u>2-4-81</u>                            | <u>30 Min.</u>        | <u>15</u> <u>DEAD</u>                 |                     | <u>30 SEC. AND REAMINED DEAD</u> |  |
| <u>2-4-81</u>                            | <u>45 Min.</u>        | <u>15</u> <u>DEAD</u>                 |                     | <u>THROUGHOUT TEST</u>           |  |

Production rate during test

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

MID-TEST SHUT-IN PRESSURE DATA

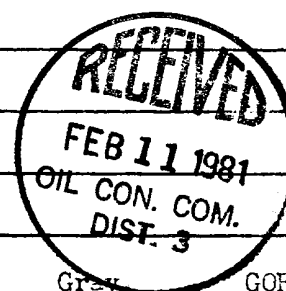
| Upper Compl | Hour, date<br>Shut-in | Length of<br>time shut-in | SI press.<br>psig | Stabilized?<br>(Yes or No) |
|-------------|-----------------------|---------------------------|-------------------|----------------------------|
|             |                       |                           |                   |                            |
| Lower Compl | Hour, date<br>Shut-in | Length of<br>time shut-in | SI press.<br>psig | Stabilized?<br>(Yes or No) |
|             |                       |                           |                   |                            |

FLOW TEST NO. 2

| Commenced at (hour, date)** |                         |                                       |                     | Zone producing (Upper or Lower): |  |
|-----------------------------|-------------------------|---------------------------------------|---------------------|----------------------------------|--|
| Time<br>(hour, date)        | Lapsed time<br>since ** | Pressure<br>Upper Compl. Lower Compl. | Prod. Zone<br>Temp. | Remarks                          |  |
| <u>2-4-81</u>               | <u>1 Hr.</u>            | <u>15</u>                             |                     |                                  |  |
| <u>2-4-81</u>               | <u>2 Hr.</u>            | <u>15</u>                             |                     |                                  |  |
| <u>2-4-81</u>               | <u>3 Hr.</u>            | <u>15</u>                             |                     |                                  |  |
|                             |                         |                                       |                     |                                  |  |
|                             |                         |                                       |                     |                                  |  |
|                             |                         |                                       |                     |                                  |  |

Production rate during test

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



REMARKS: BOTH WELLS HAVE CASING FAILURES.

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

**FEB 11 1981**

Approved: \_\_\_\_\_ 19 \_\_\_\_\_

Oil Conservation Division

Original Signed by **CHARLES GHOLSON**

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator El Paso Natural Gas Company

By H. E. McAnally

Title Well Test Engineer

Date Feb. 11, 1981

## APPENDIX A: LEAKAGE TEST INSTRUCTIONS

[illegible]

1. The results of the "out of bag" leakage test, as well as the results of the testing of the exact time the test is performed, shall also be so notified.

the two sides of the dual  
distribution. Both are small re-  
sults of the same process, provided  
the same conditions are met.

[illegible]

1. When the well is again being scouted, the well shall again be scouted.

"The Ball Joint I went through no leak was indicated  
in the Flow Test No. 2 is to be the same  
as the one which previously produced zero shall re-  
main at zero until gradually 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: (a) flow tests immediately prior to the beginning of each flow period, at four-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 as requested on wells which have previously shown a distinct 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 certified pressure gauge. If a well is a gas-oil or an oil-gas dual completion, a recording gauge shall be required on the oil zone only, with bottomhole 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 tests. Tests shall be filed with the Aztec District Office of the Oil Conservation Division on form New Mexico Packer Leakage Test Form Revised 6-1-78, with all deadhead 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 deadhead pressure points taken indicated thereon. For oil zones, pressure versus time should also include all key pressure changes which may be reflected by recording range charts. These key pressure changes should also be indicated on the front of the Packer Leakage Test Form.

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are no margins, text, or other markings on the page.