

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Revised 10/1/78

Operator Consolidated Oil & Gas Inc Lease Payne Well No. 1-E (GD)  
Location of Well: Unit P Sec. 35 Twp. 31 Rge. 13 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 | <u>Gallup</u>             | <u>Gas</u>                    | <u>Flow</u>                            | <u>Tbg.</u>                    |
| Lower Completion | <u>Dakota</u>             | <u>Gas</u>                    | <u>Flow</u>                            | <u>Tbg.</u>                    |

PRE-FLOW SHUT-IN PRESSURE DATA

|             |                                  |                                       |                            |                                                 |
|-------------|----------------------------------|---------------------------------------|----------------------------|-------------------------------------------------|
| Upper Compl | Hour, date Shut-in <u>1-8-81</u> | Length of time shut-in <u>7-Days</u>  | SI press. psig <u>950</u>  | Stabilized? ( <del>Yes</del> or No) <u>No</u>   |
| Lower Compl | Hour, date Shut-in <u>1-8-81</u> | Length of time shut-in <u>14-Days</u> | SI press. psig <u>1600</u> | Stabilized? (Yes or <del>Yes</del> ) <u>Yes</u> |

FLOW TEST NO. 1

| Commenced at (hour, date)* <u>1-15-81</u> |                       | Zone producing (Upper or <del>Lower</del> ): <u>Lower</u> |              |                     |                           |
|-------------------------------------------|-----------------------|-----------------------------------------------------------|--------------|---------------------|---------------------------|
| Time<br>(hour, date)                      | Lapsed time<br>since* | Pressure                                                  |              | Prod. Zone<br>Temp. | Remarks                   |
|                                           |                       | Upper Compl.                                              | Lower Compl. |                     |                           |
| <u>1-15-81</u>                            | <u>15-Min</u>         | <u>100</u>                                                | <u>1600</u>  |                     | <u>Upper Zone Flowing</u> |
| <u>1-15-81</u>                            | <u>30-Min</u>         | <u>80</u>                                                 | <u>1600</u>  |                     | <u>upper Zone Flowing</u> |
| <u>1-15-81</u>                            | <u>45-Min</u>         | <u>70</u>                                                 | <u>1600</u>  |                     | <u>Upper Zone Flowing</u> |
| <u>1-15-81</u>                            | <u>1-Hour</u>         | <u>60</u>                                                 | <u>1600</u>  |                     | <u>Upper Zone Flowing</u> |
| <u>1-15-81</u>                            | <u>2-Hours</u>        | <u>50</u>                                                 | <u>1600</u>  |                     | <u>Upper Zone Flowing</u> |
| <u>1-15-81</u>                            | <u>3-Hours</u>        | <u>40</u>                                                 | <u>1600</u>  |                     | <u>Upper Zone Flowing</u> |

Production rate during test  
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: 662 MCFPD; Tested thru (Orifice or Meter): Choke

MID-TEST SHUT-IN PRESSURE DATA

|             |                                   |                                       |                            |                                               |
|-------------|-----------------------------------|---------------------------------------|----------------------------|-----------------------------------------------|
| Upper Compl | Hour, date Shut-in <u>1-15-81</u> | Length of time shut-in <u>7-Days</u>  | SI press. psig <u>980</u>  | Stabilized? ( <del>Yes</del> or No) <u>No</u> |
| Lower Compl | Hour, date Shut-in <u>1-8-81</u>  | Length of time shut-in <u>21-Days</u> | SI press. psig <u>1620</u> | Stabilized? ( <del>Yes</del> or No) <u>No</u> |

FLOW TEST NO. 2

| Commenced at (hour, date)** <u>1-22-81</u> |                         | Zone producing ( <del>Upper</del> or Lower): <u>Lower</u> |              |                     |                           |
|--------------------------------------------|-------------------------|-----------------------------------------------------------|--------------|---------------------|---------------------------|
| Time<br>(hour, date)                       | Lapsed time<br>since ** | Pressure                                                  |              | Prod. Zone<br>Temp. | Remarks                   |
|                                            |                         | Upper Compl.                                              | Lower Compl. |                     |                           |
| <u>1-22-81</u>                             | <u>15-Min</u>           | <u>980</u>                                                | <u>240</u>   |                     | <u>Lower Zone Flowing</u> |
| <u>1-22-81</u>                             | <u>30-Min</u>           | <u>985</u>                                                | <u>160</u>   |                     | <u>Lower Zone Flowing</u> |
| <u>1-22-81</u>                             | <u>45-Min</u>           | <u>985</u>                                                | <u>145</u>   |                     | <u>Lower Zone Flowing</u> |
| <u>1-22-81</u>                             | <u>1-Hour</u>           | <u>985</u>                                                | <u>140</u>   |                     | <u>Lower Zone Flowing</u> |
| <u>1-22-81</u>                             | <u>2-Hours</u>          | <u>985</u>                                                | <u>120</u>   |                     | <u>Lower Zone Flowing</u> |
| <u>1-22-81</u>                             | <u>3-Hours</u>          | <u>985</u>                                                | <u>110</u>   |                     | <u>Lower Zone Flowing</u> |

Production rate during test  
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: 1476 MCFPD; Tested thru (Orifice or Meter): Choke

REMARKS: Dakota Zone unloaded stream of water during the test

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

Approved: JAN 28 1981 19 \_\_\_\_\_

Oil Conservation Division  
Original Signed by CHARLES GHOLSON

By \_\_\_\_\_

Title DEPUTY OIL & GAS INSPECTOR, DIST #3

Operator Consolidated Oil & Gas Inc

By \_\_\_\_\_

Title Production Superintendent

Date \_\_\_\_\_

1. PURPOSE OF THE "XERO" POWER LANGUAGE TEST INSTRUCTIVE

1. If the patient still is depressed in even minor, completed  
2. If the patient still has a total completion of the Well, and usually  
3. If the patient still has a total completion of the Well, and usually  
4. If the patient still has a total completion of the Well, and usually  
5. If the patient still has a total completion of the Well, and usually  
6. If the patient still has a total completion of the Well, and usually  
7. If the patient still has a total completion of the Well, and usually  
8. If the patient still has a total completion of the Well, and usually  
9. If the patient still has a total completion of the Well, and usually  
10. If the patient still has a total completion of the Well, and usually

1. The "let" shall refer to the current test or any master leakage test.  
2. The "let" shall notify the Division in writing of the exact time the  
test was commenced. Water operators shall also be so notified.

[illegible]

4. If the system for pressure stabilization, both ends shall be stabilized, and the well-head pressure in each gas stabilized, provided that the system has not been in operation more than seven days.

4. In the event that, in any zone of the well completion shall be produced at the normal rate of production while the other zone remains shut-in, the well shall be maintained for seven days in the case of a gas well and for 30 days in the case of an oil well. NOTE: If, on an initial breaker test, the flow rate is found to be less than the atmosphere due to the lack of a complete connection the flow period shall be three hours.

1. If the water level in the flow test No. 1, the well shall again be shut-in and operated with a pressure 1 above.

1. The test of 2 shall be conducted even though no leak was indicated by the test of 1. Procedure for Flow Test No. 2 is to seal the pipe at the test end. However that the previously indicated zone shall continue until the zone which was previously shut-in is produced.

7. Pressures for gas-flow tests must be measured in each well with a deadweight pressure gauge at time intervals as follows: (a) Initial tests: immediately prior to the beginning of each flow period and at 15-minute intervals during the first hour thereafter; (b) for all subsequent tests: immediately prior to the pressure measurement and at 15-minute intervals during the first hour of each flow period. Flow tests immediately after the first period of each flow period, if these tests are conducted during the first period of flow, must be run during the first 15 minutes of the flow period. Division of each flow period into 15-minute periods may be taken as a guide, or may be regulated on wells which have previously shown some variation in data.

21- our oil zone tests: all pressures, including the surface test, shall be continuously measured and reported with regularity and at regular intervals, the accuracy of which must be checked at least weekly, and at the beginning and end of the well run, and at such intervals as may be required. If a well is a steam or is otherwise, or if it is otherwise, the well shall be reported on the oil zone map, and the pressure is required above being taken on the gas zone.

5. The results of the above-described tests shall be plotted on triplicate within 48 days after completion of the tests. Tests shall be conducted within the Arizona District Office of the oil conservation division, in accordance with New Mexico Bureau of Land Management Form Revised 10-1974, which includes test procedures indicated thereon, as well as the following requirements: (a) zones only; and gravity and 402 log 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 headings, including point of test indicated thereon. For oil zones, the pressure versus time curve shall indicate all key pressure changes which may be reflected by the test on the log charts. These key pressure changes should also be translated onto 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 also thicker vertical and horizontal lines that divide the page into larger rectangular sections, creating a header area at the top and margins on the sides. The paper is otherwise completely empty of any markings or text.