

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO Packer Leakage Test

|                                               |                   |                  |                               |                                  |                              |                      |              |
|-----------------------------------------------|-------------------|------------------|-------------------------------|----------------------------------|------------------------------|----------------------|--------------|
| Operator<br><b>Phillips Petroleum Company</b> |                   |                  | Lease<br><b>New Mexico D.</b> |                                  |                              | Well No.<br><b>1</b> |              |
| Location of Well                              | Unit<br><b>H</b>  | Sec<br><b>36</b> | Twp<br><b>22-S</b>            | Rge<br><b>37-E</b>               | County<br><b>Lea</b>         |                      |              |
| Name of Reservoir or Pool                     |                   |                  | Type of Prod<br>(Oil or Gas)  | Method of Prod<br>Flow, Art Lift | Prod. Medium<br>(Tbg or Csg) |                      | Choke Size   |
| Upper Compd                                   | <b>Elineberry</b> |                  | <b>Gas</b>                    | <b>Flow</b>                      | <b>Csg.</b>                  |                      | <b>20/64</b> |
| Lower Compd                                   | <b>Drinkard</b>   |                  | <b>Gas</b>                    | <b>Flow</b>                      | <b>Tubing</b>                |                      | <b>12/64</b> |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **June 27, 1977 at 8:00 A.M.**

Well opened at (hour, date): **June 28, 1977 at 8:45 A.M.**

|                                                             | Upper Completion                       | Lower Completion              |
|-------------------------------------------------------------|----------------------------------------|-------------------------------|
| Indicate by ( X ) the zone producing.....                   |                                        | <b>X</b>                      |
| Pressure at beginning of test.....                          | <b>550</b>                             | <b>810</b>                    |
| Stabilized? (Yes or No).....                                | <b>Yes</b>                             | <b>Yes</b>                    |
| Maximum pressure during test.....                           | <b>550</b>                             | <b>875</b>                    |
| Minimum pressure during test.....                           | <b>550</b>                             | <b>740</b>                    |
| Pressure at conclusion of test.....                         | <b>550</b>                             | <b>875</b>                    |
| Pressure change during test (Maximum minus Minimum).....    | <b>None</b>                            | <b>135</b>                    |
| Was pressure change an increase or a decrease?.....         | <b>Same</b>                            | <b>Decrease then Increase</b> |
| Well closed at (hour, date): <b>June 29, 1977</b>           | Total Time On Production <b>24 hr.</b> |                               |
| Oil Production During Test: <b>1</b> bbls; Grav. <b>392</b> | Gas Production During Test <b>411</b>  | MCF; GOR <b>411,913</b>       |

Remarks **When opened well up made 1 bb. oil & pressure went up.**

FLOW TEST NO. 2

Well opened at (hour, date): **June 30, 1977**

|                                                           | Upper Completion                       | Lower Completion  |
|-----------------------------------------------------------|----------------------------------------|-------------------|
| Indicate by ( X ) the zone producing.....                 | <b>X</b>                               |                   |
| Pressure at beginning of test.....                        | <b>550</b>                             | <b>900</b>        |
| Stabilized? (Yes or No).....                              | <b>Yes</b>                             | <b>Yes</b>        |
| Maximum pressure during test.....                         | <b>550</b>                             | <b>900</b>        |
| Minimum pressure during test.....                         | <b>20</b>                              | <b>900</b>        |
| Pressure at conclusion of test.....                       | <b>20</b>                              | <b>900</b>        |
| Pressure change during test (Maximum minus Minimum).....  | <b>530</b>                             | <b>None</b>       |
| Was pressure change an increase or a decrease?.....       | <b>Decrease</b>                        | <b>Same</b>       |
| Well closed at (hour, date): <b>July 1, 1977</b>          | Total time on Production <b>24 hr.</b> |                   |
| Oil Production During Test: <b>0</b> bbls; Grav. <b>0</b> | Gas Production During Test <b>314</b>  | MCF; GOR <b>0</b> |

Remarks **Zone shut in and temporarily abandoned above packer in csg/tbg annulus.**

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

Approved \_\_\_\_\_ 19 \_\_\_\_\_  
New Mexico Oil Conservation Commission

Operator **Phillips Petroleum Company**  
By **Robert L Lee**

Title **Field Foreman**  
Date **July 1, 1977**

5. 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 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.
7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the use of which must be checked with a deadweight tester at least twice, once at the beginning and once at the end, of each flow test.
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 appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Leaker Leakage Test Form Revised 11-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may contact a pressure versus time curve for each zone of each test, indicating the cone all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Leaker Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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