

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|                                                |                               |                           |                               |                           |                      |                   |  |
|------------------------------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------|----------------------|-------------------|--|
| Operator<br><b>WESTERN NATURAL GAS COMPANY</b> |                               |                           | Lease<br><b>STEELER</b>       |                           |                      | Well No. <b>2</b> |  |
| Location of Well                               | Unit<br><b>N</b>              | Sec<br><b>19</b>          | Twp<br><b>23S</b>             | Rge<br><b>37E</b>         | County<br><b>LEA</b> |                   |  |
| Name of Reservoir or Pool                      |                               | Type of Prod (Oil or Gas) | Method of Prod Flow, Art Lift | Prod. Medium (Tbg or Csg) |                      | Choke Size        |  |
| Upper Compl                                    | <b>JALMAT - YATES</b>         |                           | <b>GAS</b>                    | <b>FLOW</b>               | <b>Csg</b>           | <b>1.75</b>       |  |
| Lower Compl                                    | <b>LANOLIE MATTIX - QUEEN</b> |                           | <b>OIL</b>                    | <b>FLOW</b>               | <b>Tbg</b>           | <b>22/64</b>      |  |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 AM (1-28-59)

|                                                          |                                         |                  |
|----------------------------------------------------------|-----------------------------------------|------------------|
| Well opened at (hour, date): <u>11:15 AM (1-30-59)</u>   | Upper Completion                        | Lower Completion |
| Indicate by ( X ) the zone producing.....                |                                         | <u>X</u>         |
| Pressure at beginning of test.....                       | <u>940 CHART</u>                        | <u>840 CHART</u> |
| Stabilized? (Yes or No).....                             | <u>YES</u>                              | <u>YES</u>       |
| Maximum pressure during test.....                        | <u>940</u>                              | <u>840</u>       |
| Minimum pressure during test.....                        | <u>940</u>                              | <u>140</u>       |
| Pressure at conclusion of test.....                      | <u>940</u>                              | <u>140</u>       |
| Pressure change during test (Maximum minus Minimum)..... | <u>0</u>                                | <u>700</u>       |
| Was pressure change an increase or a decrease?.....      | <u>-</u>                                | <u>DECREASE</u>  |
| Well closed at (hour, date): <u>4:15 PM (1-30-59)</u>    | Total Time On Production <u>5 HOURS</u> |                  |
| Oil Production                                           | Gas Production                          |                  |
| During Test: <u>37.05</u> bbls; Grav. <u>35.0</u> ;      | During Test <u>59.360</u> MCF; GOR      | <u>1602</u>      |

Remarks TEST RESULTS INDICATE THAT THE PACKER IS HOLDING.

FLOW TEST NO. 2

|                                                          |                                         |                  |
|----------------------------------------------------------|-----------------------------------------|------------------|
| Well opened at (hour, date): <u>11:00 AM (1-31-59)</u>   | Upper Completion                        | Lower Completion |
| Indicate by ( X ) the zone producing.....                | <u>X</u>                                |                  |
| Pressure at beginning of test.....                       | <u>950 CHART</u>                        | <u>840 CHART</u> |
| Stabilized? (Yes or No).....                             | <u>YES</u>                              | <u>YES</u>       |
| Maximum pressure during test.....                        | <u>950</u>                              | <u>840</u>       |
| Minimum pressure during test.....                        | <u>800</u>                              | <u>840</u>       |
| Pressure at conclusion of test.....                      | <u>800</u>                              | <u>840</u>       |
| Pressure change during test (Maximum minus Minimum)..... | <u>150</u>                              | <u>0</u>         |
| Was pressure change an increase or a decrease?.....      | <u>DECREASE</u>                         | <u>-</u>         |
| Well closed at (hour, date): <u>3:00 PM (1-31-59)</u>    | Total time on Production <u>4 HOURS</u> |                  |
| Oil Production                                           | Gas Production                          |                  |
| During Test: <u>NONE</u> bbls; Grav. <u>-</u> ;          | During Test <u>406.180</u> MCF; GOR     | <u>-</u>         |

Remarks TEST RESULTS INDICATE THAT THE PACKER IS HOLDING.

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

|                                                                   |                                                   |
|-------------------------------------------------------------------|---------------------------------------------------|
| Approved _____ 19 _____<br>New Mexico Oil Conservation Commission | Operator <u>WESTERN NATURAL GAS COMPANY</u>       |
| By _____                                                          | By <u>Joe A. Coleman</u><br><b>JOE A. COLEMAN</b> |
| Title _____                                                       | Title <u>AGENT</u>                                |
|                                                                   | Date <u>FEBRUARY 3, 1960</u>                      |

