

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-1-65

|                                                                                                                           |            |                         |                   |                                           |                      |                                     |
|---------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-------------------|-------------------------------------------|----------------------|-------------------------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |            |                         |                   |                                           | Test Date<br>7-29-81 |                                     |
| Company<br>El Paso Natural Gas Company                                                                                    |            |                         |                   | Connection<br>El Paso Natural Gas Company |                      |                                     |
| Pool<br>Largo Ext.                                                                                                        |            |                         |                   | Formation<br>Chacra                       |                      | Unit<br>Rincon                      |
| Completion Date<br>7-22-81                                                                                                |            | Total Depth<br>4220     |                   | Plug Back TD<br>4211                      |                      | Elevation<br>6550 Gr                |
| Csg. Size<br>2.875                                                                                                        | Wt.<br>6.5 | d<br>2.441              | Set At<br>4220    | Perforations:<br>From 3976 To 4160        |                      | Well No.<br>#238                    |
| Tbg. Size<br>No Tubing                                                                                                    | Wt.        | d                       | Set At            | Perforations:<br>From To                  |                      | Unit<br>G                           |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |            |                         |                   | Packer Set At                             |                      | County<br>Rio Arriba                |
| Producing Thru<br>Csg.                                                                                                    |            | Reservoir Temp. °F<br>@ |                   | Mean Annual Temp. °F                      |                      | Baro. Press. - P <sub>a</sub><br>12 |
| State<br>New Mexico                                                                                                       |            |                         |                   |                                           |                      |                                     |
| L                                                                                                                         | H          | Gg                      | % CO <sub>2</sub> | % N <sub>2</sub>                          | % H <sub>2</sub> S   | Prover                              |
| Meter Run                                                                                                                 |            | Taps                    |                   |                                           |                      |                                     |

  

| FLOW DATA |                  |   |              |                 |                      |          | TUBING DATA     |          | CASING DATA     |          | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|----------|-----------------|----------|-----------------|----------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F | Press. p.s.i.g. | Temp. °F | Press. p.s.i.g. | Temp. °F |                  |
| 1.        |                  |   |              |                 |                      |          |                 |          | 1022            |          | 7 Days           |
| 2.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 3.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 4.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 5.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                   |                             |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------|-----------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor Fg | Super Compress. Factor, Fpv | Rate of Flow Q, Mcfd |
| 1.                        |                       |                  |                         |                       |                   |                             |                      |
| 2.                        |                       |                  |                         |                       |                   |                             |                      |
| 3.                        |                       |                  |                         |                       |                   |                             |                      |
| 4.                        |                       |                  |                         |                       |                   |                             |                      |
| 5.                        |                       |                  |                         |                       |                   |                             |                      |

  

| NO. | P <sub>r</sub> | Temp. °R | T <sub>r</sub> | Z | Gas Liquid Hydrocarbon Ratio          | Mcf/bbl. |
|-----|----------------|----------|----------------|---|---------------------------------------|----------|
| 1.  |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons | Deg.     |
| 2.  |                |          |                |   | Specific Gravity Separator Gas        |          |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid        |          |
| 4.  |                |          |                |   | Critical Pressure                     | P.S.I.A. |
| 5.  |                |          |                |   | Critical Temperature                  | R        |

  

| NO. | P <sub>t</sub> <sup>2</sup> | P <sub>w</sub> | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |
|-----|-----------------------------|----------------|-----------------------------|-----------------------------------------------------------|
| 1.  |                             |                |                             |                                                           |
| 2.  |                             |                |                             |                                                           |
| 3.  |                             |                |                             |                                                           |
| 4.  |                             |                |                             |                                                           |
| 5.  |                             |                |                             |                                                           |

(1)  $\frac{P_c^2}{P_c^2 - P_w^2} =$  \_\_\_\_\_

(2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$  \_\_\_\_\_

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$  \_\_\_\_\_

  

|                                        |                               |                |
|----------------------------------------|-------------------------------|----------------|
| Absolute Open Flow _____ Mcfd @ 15.025 | Angle of Slope $\theta$ _____ | Slope, n _____ |
|----------------------------------------|-------------------------------|----------------|

  

Remarks: \_\_\_\_\_

  

|                         |                               |                           |             |
|-------------------------|-------------------------------|---------------------------|-------------|
| Approved By Commission: | Conducted By:<br>Ernie Minert | Calculated By:<br>Ed Mabe | Checked By: |
|-------------------------|-------------------------------|---------------------------|-------------|