

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122  
Revised 10-1-78

## MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

|                                                                                                                           |             |                         |                   |                                    |                     |                               |                    |                              |            |
|---------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|-------------------|------------------------------------|---------------------|-------------------------------|--------------------|------------------------------|------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |             |                         |                   |                                    | Test Date<br>2-7-80 |                               |                    |                              |            |
| Company<br>El Paso Natural Gas Company                                                                                    |             |                         |                   | Connection                         |                     |                               |                    |                              |            |
| Pool<br>Blanco                                                                                                            |             |                         |                   | Formation<br>Mesa Verde            |                     |                               |                    | Unit                         |            |
| Completion Date<br>1-31-80                                                                                                |             | Total Depth<br>5224     |                   | Plug Back TD<br>5207               |                     | Elevation                     |                    | Farm or Lease Name<br>Heaton |            |
| Gas Size<br>4.500                                                                                                         | Wt.<br>10.5 | d<br>4.052              | Set At<br>5224    | Perforations:<br>From 4604 To 5110 |                     | Well No.<br>4A                |                    |                              |            |
| Trg. Size<br>2.375                                                                                                        | Wt.<br>4.70 | d<br>1.995              | Set At<br>5083    | Perforations:<br>From To           |                     | Unit<br>I                     | Sec.<br>29         | Twp.<br>31                   | Rge.<br>11 |
| Type Well - Single - Bronthead - G.C. or G.O. Multiple<br>Single                                                          |             |                         |                   |                                    | Packer Set At       |                               | County<br>San Juan |                              |            |
| Producing thru                                                                                                            |             | Reservoir Temp. °F<br>p |                   | Mean Annual Temp. °F               |                     | Baro. Press. - P <sub>a</sub> |                    | State<br>New Mexico          |            |
| L                                                                                                                         | R           | G <sub>g</sub>          | % CO <sub>2</sub> | % N <sub>2</sub>                   | % H <sub>2</sub> S  | Prover                        | Meter Run          | Taps                         |            |

  

| FLOW DATA |                        |   |                 |                    |                         | TUBING DATA |                    | CASING DATA |                    | Duration<br>of<br>Flow |             |
|-----------|------------------------|---|-----------------|--------------------|-------------------------|-------------|--------------------|-------------|--------------------|------------------------|-------------|
| NO.       | Prover<br>Line<br>Size | X | Orifice<br>Size | Press.<br>p.s.i.g. | Diff.<br>h <sub>w</sub> | Temp.<br>°F | Press.<br>p.s.i.g. | Temp.<br>°F | Press.<br>p.s.i.g. |                        | Temp.<br>°F |
| SI        |                        |   |                 |                    |                         |             | 543                |             | 778                |                        | 7 Days      |
| 1.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |
| 2.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |
| 3.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |
| 4.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |
| 5.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |

  

| RATE OF FLOW CALCULATIONS |                          |                     |                            |                                        |                                     |                                               |                           |
|---------------------------|--------------------------|---------------------|----------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------|---------------------------|
| NO.                       | Coefficient<br>(24 Hour) | $\sqrt{h_w P_{in}}$ | Pressure<br>P <sub>m</sub> | Flow Temp.<br>Factor<br>F <sub>t</sub> | Gravity<br>Factor<br>F <sub>g</sub> | Super<br>Compress.<br>Factor, F <sub>pv</sub> | Rate of Flow<br>Q, Mscf/d |
| 1.                        |                          |                     |                            |                                        |                                     |                                               |                           |
| 2.                        |                          |                     |                            |                                        |                                     |                                               |                           |
| 3.                        |                          |                     |                            |                                        |                                     |                                               |                           |
| 4.                        |                          |                     |                            |                                        |                                     |                                               |                           |
| 5.                        |                          |                     |                            |                                        |                                     |                                               |                           |

  

| NO. | P <sub>i</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 _____ X.X.X.X.X.X.X.X |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid _____ X.X.X.X.X       |
| 4.  |                |          |                |   | Critical Pressure _____ P.S.I.A. _____ P.S.I.A.      |
| 5.  |                |          |                |   | Critical Temperature _____ R _____ R                 |

  

| NO. | P <sub>i</sub> | P <sub>w</sub> | P <sub>c</sub> | P <sub>i</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_i^2 - P_w^2} =$ _____ | (2) $\left[ \frac{P_c^2}{P_i^2 - P_w^2} \right]^n =$ _____ |
|-----|----------------|----------------|----------------|-----------------------------------------------------------|-------------------------------------------|------------------------------------------------------------|
| 1.  |                |                |                |                                                           |                                           |                                                            |
| 2.  |                |                |                |                                                           |                                           |                                                            |
| 3.  |                |                |                |                                                           |                                           |                                                            |
| 4.  |                |                |                |                                                           |                                           |                                                            |
| 5.  |                |                |                |                                                           |                                           |                                                            |

  

Absolute Open Flow \_\_\_\_\_ Mcf @ 15.025    Angle of Slope @ \_\_\_\_\_    Slope, n \_\_\_\_\_

Approved by Division

Conducted By

Calculated By

Checked By

C. Rhames

C. R. Wagner