

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

Form C-122  
 Revised 9-1-65

|                                                                                                                                   |             |                         |                   |                                           |                    |                               |           |                                            |            |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|-------------------|-------------------------------------------|--------------------|-------------------------------|-----------|--------------------------------------------|------------|
| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special |             |                         |                   |                                           |                    | Test Date<br>9-17-80          |           |                                            |            |
| Company<br>Amoco Production Co.                                                                                                   |             |                         |                   | Connection<br>El Paso Natural Gas Company |                    |                               |           |                                            |            |
| Pool<br>Chacon                                                                                                                    |             |                         |                   | Formation<br>Dakota                       |                    |                               |           | Unit                                       |            |
| Completion Date<br>07-80                                                                                                          |             | Total Depth<br>7633     |                   | Plug Back TD<br>7590                      |                    | Elevation<br>7294GL           |           | Farm or Lease Name<br>Jicarilla Tribal 396 |            |
| Csg. Size<br>5.500                                                                                                                | Wt.<br>15.5 | d<br>4.950              | Set At<br>7633    | Perforations:<br>From 7252 To 7370        |                    | Well No.<br>1                 |           |                                            |            |
| Tbg. Size<br>2.875                                                                                                                | Wt.<br>6.5  | d<br>2.441              | Set At<br>7401    | Perforations:<br>From Open To ended       |                    | Unit<br>A                     | Sec.<br>8 | Twp.<br>23N                                | Rge.<br>3W |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                                 |             |                         |                   |                                           |                    | Packer Set At<br>None         |           | County<br>Rio Arriba                       |            |
| Producing Thru<br>tubing                                                                                                          |             | Reservoir Temp. °F<br>e |                   | Mean Annual Temp. °F                      |                    | Baro. Press. - P <sub>a</sub> |           | State<br>New Mexico                        |            |
| L                                                                                                                                 | H           | G <sub>q</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        |                        |      |                 |                    |                         |             | 847                |             | 1580               |             | 3 hrs.                 |
| 1.        | 2.375                  | .750 |                 |                    |                         |             | 306                |             | 587                |             |                        |
| 2.        |                        |      |                 |                    |                         |             |                    |             |                    |             |                        |
| 3.        |                        |      |                 |                    |                         |             |                    |             |                    |             |                        |
| 4.        |                        |      |                 |                    |                         |             |                    |             |                    |             |                        |
| 5.        |                        |      |                 |                    |                         |             |                    |             |                    |             |                        |

  

| RATE OF FLOW CALCULATIONS |                          |                  |                            |                                        |                                     |                                               |                         |
|---------------------------|--------------------------|------------------|----------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------|
| NO.                       | Coefficient<br>(24 Hour) | $\sqrt{h_w P_m}$ | 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, Mcfd |
| 1                         | 12.365                   |                  | 318                        | 1.000                                  | .9258                               | 1.039                                         | 3782                    |
| 2.                        |                          |                  |                            |                                        |                                     |                                               |                         |
| 3.                        |                          |                  |                            |                                        |                                     |                                               |                         |
| 4.                        |                          |                  |                            |                                        |                                     |                                               |                         |
| 5.                        |                          |                  |                            |                                        |                                     |                                               |                         |

  

|     |                |          |                |   |                                                      |  |
|-----|----------------|----------|----------------|---|------------------------------------------------------|--|
| NO. | P <sub>t</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                 |  |

  

|                                                              |                |                |                             |                                                           |                                                               |                                                             |  |
|--------------------------------------------------------------|----------------|----------------|-----------------------------|-----------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|--|
| P <sub>c</sub> 1592      P <sub>c</sub> <sup>2</sup> 2534464 |                |                |                             | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1649$                |                                                               | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1213$ |  |
| NO.                                                          | P <sub>t</sub> | 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> | AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4241$ |                                                             |  |
| 1                                                            |                | 599            | 358801                      | 2175663                                                   |                                                               |                                                             |  |
| 2                                                            |                |                |                             |                                                           |                                                               |                                                             |  |
| 3                                                            |                |                |                             |                                                           |                                                               |                                                             |  |
| 4                                                            |                |                |                             |                                                           |                                                               |                                                             |  |
| 5                                                            |                |                |                             |                                                           |                                                               |                                                             |  |

  

|                         |  |               |                  |
|-------------------------|--|---------------|------------------|
| Absolute Open Flow 4241 |  | Mold @ 15.025 | Angle of Slope e |
| Remarks:                |  |               |                  |

  

|                        |                             |                              |                               |
|------------------------|-----------------------------|------------------------------|-------------------------------|
| Approved By Commission | Conducted By:<br>J. Barnett | Calculated By:<br>J. Barnett | Checked By:<br>W. L. Peterson |
|------------------------|-----------------------------|------------------------------|-------------------------------|

