

**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 type="checkbox"/> Special |            |                         |                   |                                     | Test Date<br>1-21-86  |                                   | JAN 21 1986          |                                      |
| Company<br>El Paso Natural Gas                                                                                         |            |                         |                   | Connection                          |                       |                                   |                      |                                      |
| Pool<br>Blanco                                                                                                         |            |                         |                   | Formation<br>Mesa Verde             |                       |                                   |                      | Unit                                 |
| Completion Date<br>1-21-86                                                                                             |            | Total Depth<br>5750     |                   | Plug Back TD<br>5739                |                       | Elevation<br>6251 GR              |                      | Farm or Lease Name<br>S.J. 29-7 Unit |
| Csg. Size<br>7.000                                                                                                     | Wt.<br>20  | d<br>6.456              | Set At<br>3571    | Perforations:<br>From 4851* To 5658 |                       | Well No.<br>#29A                  |                      |                                      |
| Tbg. Size<br>2.375                                                                                                     | Wt.<br>4.7 | d<br>1.995              | Set At<br>5549    | Perforations:<br>From To            |                       | Unit Sec. Twp. Rge.<br>F 13 29 07 |                      |                                      |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple                                                                |            |                         |                   |                                     | Packer Set At<br>None |                                   | County<br>Rio Arriba |                                      |
| Producing Thru<br>Tbg.                                                                                                 |            | Reservoir Temp. °F<br>a |                   | Mean Annual Temp. °F                |                       | Baro. Press. - P <sub>a</sub>     |                      | 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<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        |                        |   |                 |                    |                         |             | 888                |             | 954                |                        | 7 Days      |
| 1.        |                        |   |                 |                    |                         |             |                    |             |                    |                        |             |
| 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                         |                          |                  |                            |                                        |                                     |                                               |                         |
| 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 _____ 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>r</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> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____ |
| 1   |                |                |                             |                                                           |                                           |                                                            |
| 2   |                |                |                             |                                                           |                                           |                                                            |
| 3   |                |                |                             |                                                           |                                           |                                                            |
| 4   |                |                |                             |                                                           |                                           |                                                            |
| 5   |                |                |                             |                                                           |                                           |                                                            |

  

|                                                                |  |                                    |                                    |
|----------------------------------------------------------------|--|------------------------------------|------------------------------------|
| 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>Bobbie Easterling | Calculated By:<br>Scott H. Lindsay |
|                                                                |  | Checked By:<br>kld                 |                                    |