

**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>10-29-85               |                  |
| Company<br>El Paso Natural Gas Co.                                                                                        |            |                         |                | Connection                          |                  |
| Pool<br>Blanco                                                                                                            |            |                         |                | Formation<br>Mesa Verde             |                  |
| Completion Date<br>10-29-85                                                                                               |            | Total Depth<br>6113     |                | Plug Back TD<br>6101                |                  |
|                                                                                                                           |            |                         |                | Elevation<br>6505 GR                |                  |
| Form or Lease Name<br>S.J. 28-5 Unit                                                                                      |            |                         |                |                                     |                  |
| Csg. Size<br>7.000                                                                                                        | Wt.<br>20  | d<br>6.456              | Set At<br>3804 | Perforations:<br>From *5216 To 6060 |                  |
| Reg. Size<br>2.375                                                                                                        | Wt.<br>4.7 | d<br>1.995              | Set At<br>6045 | Perforations:<br>From To            |                  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |            |                         |                | Packer Set At<br>None               |                  |
| Producing Thru<br>Tbg.                                                                                                    |            | Reservoir Temp. °F<br>@ |                | Mean Annual Temp. °F                |                  |
|                                                                                                                           |            |                         |                | Baro. Press. - P <sub>a</sub><br>12 |                  |
| L                                                                                                                         |            | H                       | Gg             | % CO <sub>2</sub>                   | % N <sub>2</sub> |
|                                                                                                                           |            |                         |                | % H <sub>2</sub> S                  | Prover           |
|                                                                                                                           |            |                         |                | Meter Run                           | Taps             |
| County<br>Rio Arriba                                                                                                      |            |                         |                |                                     |                  |
| State<br>New Mexico                                                                                                       |            |                         |                |                                     |                  |

  

| FLOW DATA |                  |   |              |                 |          | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |          |
|-----------|------------------|---|--------------|-----------------|----------|-------------|-----------------|-------------|-----------------|------------------|----------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. hw | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  | Temp. °F |
| SI        |                  |   |              |                 |          |             | 947             |             | 900             |                  | 7 Days   |
| 1.        |                  |   |              |                 |          |             |                 |             |                 |                  |          |
| 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 | Dist. 3  |
| 2.  |                |          |                |   | Specific Gravity Separator Gas        | XXXXXX   |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid        | XXXXXX   |
| 4.  |                |          |                |   | Critical Pressure                     | P.S.I.A. |
| 5.  |                |          |                |   | Critical Temperature                  | R        |

  

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

  

|                                       |  |  |  |                |                  |          |
|---------------------------------------|--|--|--|----------------|------------------|----------|
| Absolute Open Flow                    |  |  |  | Mcf/d @ 15.025 | Angle of Slope @ | Slope, n |
| Remarks: *4.500" Liner 3638' - 6113'. |  |  |  |                |                  |          |

  

|                         |                              |                           |                   |
|-------------------------|------------------------------|---------------------------|-------------------|
| Approved by Commission: | Conducted By:<br>John Easley | Calculated By:<br>Ed Mabe | Checked By:<br>kd |
|-------------------------|------------------------------|---------------------------|-------------------|