

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>1-4-82                       |                                     |                      |                                          |
| Company<br>El Paso Natural Gas Company                                                                                    |            |                         |                   |                                     | Connection<br>El Paso Natural Gas Company |                                     |                      |                                          |
| Pool<br>Blanco                                                                                                            |            |                         |                   |                                     | Formation<br>Mesa Verde                   |                                     | Unit                 |                                          |
| Completion Date<br>12-18-81                                                                                               |            | Total Depth<br>6285     |                   | Plug Back TD<br>6265                |                                           | Elevation<br>6712 GR                |                      | Form or Lease Name<br>San Juan 30-6 Unit |
| Csq. Size<br>7.000                                                                                                        | wt.<br>20  | d<br>6.456              | Set At<br>3909    | Perforations:<br>From *5420 To 6246 |                                           | Well No.<br>#73A                    |                      |                                          |
| Tbg. Size<br>2.375                                                                                                        | wt.<br>4.7 | d<br>1.995              | Set At<br>6231    | Perforations:<br>From To            |                                           | Unit<br>F                           | Sec.<br>22           | Twp.<br>30                               |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |            |                         |                   |                                     | Packer Set At<br>None                     |                                     | County<br>Rio Arriba |                                          |
| Producing Thru<br>Tbg.                                                                                                    |            | Reservoir Temp. °F<br>p |                   | Mean Annual Temp. °F                |                                           | Baro. Press. - P <sub>a</sub><br>12 |                      | State<br>New Mexico                      |
| L                                                                                                                         | H          | 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 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 |
| SI        |                  |   |              |                 |                      |             | 379             |             | 649             |                  | 17 Days  |
| 1.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |
| 2.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |
| 3.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |
| 4.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |
| 5.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |

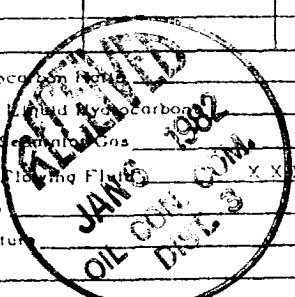
  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                                  |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|----------------------------------|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

| NO. | P <sub>t</sub> | Temp. °R | T <sub>r</sub> | Z | Gas Liquid Hydrocarbon Ratio         | Mcf, ubl. |
|-----|----------------|----------|----------------|---|--------------------------------------|-----------|
| 1   |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbon | Deq.      |
| 2   |                |          |                |   | Specific Gravity of Gas              | XXXXXXX   |
| 3   |                |          |                |   | Specific Gravity of Gas              | XXXXXX    |
| 4   |                |          |                |   | Critical Pressure P.S.I.A.           | P.S.I.A.  |
| 5   |                |          |                |   | Critical Temperature °R              | °R        |



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

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

|                    |              |                  |              |
|--------------------|--------------|------------------|--------------|
| Absolute Open Flow | Mcf @ 15.025 | Angle of Slope θ | Slope, n .75 |
| Remarks:           |              |                  |              |

|                      |                                 |                           |             |
|----------------------|---------------------------------|---------------------------|-------------|
| Approved by Division | Conducted by:<br>Bob Easterling | Calculated by:<br>Ed Mabe | Checked by: |
|----------------------|---------------------------------|---------------------------|-------------|