

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE March 27, 1979

|  |                              |                                  |                              |
|--|------------------------------|----------------------------------|------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                              | Lease<br><b>Riddle B #2-A</b>    |                              |
| Location<br><b>SE 23-30-10</b>                 |                              | County<br><b>San Juan</b>        | State<br><b>New Mexico</b>   |
| Formation<br><b>Mesa Verde</b>                 |                              | Pool<br><b>Blanco</b>            |                              |
| Casing: Diameter<br><b>4.500</b>               | Set At: Feet<br><b>5538'</b> | Tubing: Diameter<br><b>2 3/8</b> | Set At: Feet<br><b>5507'</b> |
| Pay Zone: From<br><b>4422</b>                  | To<br><b>5504</b>            | Total Depth:<br><b>5538'</b>     | Shut In<br><b>3-17-79</b>    |
| Stimulation Method<br><b>Sandwater Frac</b>    |                              | Flow Through Casing              | Flow Through Tubing          |

|  |                           |                                       |   |                           |  |
|--|---------------------------|---------------------------------------|---|---------------------------|--|
| Choke Size, Inches                           |                           | Choke Constant: C                     |   |                           |  |
| Shut-In Pressure, Casing, PSIG<br><b>766</b> | + 12 = PSIA<br><b>778</b> | Days Shut-In<br><b>10</b>             | Shut-In Pressure, Tubing PSIG<br><b>435</b> | + 12 = PSIA<br><b>447</b> |  |
| Flowing Pressure: P PSIG                     | + 12 = PSIA               | Working Pressure: P <sub>w</sub> PSIG | + 12 = PSIA                                 |                           |  |
| Temperature:<br>T = °F      Ft =             | n =                       | Fpv (From Tables)                     | Gravity<br>Fg =                             |                           |  |

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

Q =

= \_\_\_\_\_ MCF/D

$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left( \frac{\quad}{\quad} \right)^n =$$

Aof = \_\_\_\_\_ MCF/D

TESTED BY R. Headrick

WITNESSED BY \_\_\_\_\_

*C. R. Wagner*  
Well Test Engineer

