

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE December 19, 1977

|                                                |                             |                                              |                              |
|------------------------------------------------|-----------------------------|----------------------------------------------|------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                             | Lease<br><b>Fields Com #5A</b>               |                              |
| Location<br><b>NW 28-32-11</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 1/2</b>               | Set At: Feet<br><b>5724</b> | Tubing: Diameter<br><b>2 3/8</b>             | Set At: Feet<br><b>5625'</b> |
| Pay Zone: From<br><b>4573</b>                  | To<br><b>5647</b>           | Total Depth: <b>PBTD</b><br><b>5724 5706</b> | Shut In<br><b>12-11-77</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>652</b> | + 12 = PSIA<br><b>664</b> | Days Shut-In<br><b>8</b> | Shut-In Pressure, Tubing PSIG<br><b>664</b> | + 12 = PSIA<br><b>676</b>   |  |
| Flowing Pressure: P PSIG                     | + 12 = PSIA               |                          | Working Pressure: P <sub>w</sub> PSIG       | + 12 = PSIA                 |  |
| Temperature:<br>T = °F Ft =                  | n =                       |                          | F <sub>pv</sub> (From Tables)               | Gravity<br>F <sub>g</sub> = |  |

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

Q =

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

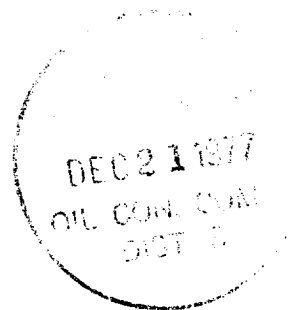
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

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

TESTED BY D. Wright

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



*C. R. G. Hagan*  
Well Test Engineer