## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE

June 26, 1979

| Operator                    |       |              | Lease               |                     |  |  |  |
|-----------------------------|-------|--------------|---------------------|---------------------|--|--|--|
| El Paso Natural Gas Company |       |              | Hughes A #4A        |                     |  |  |  |
| Location                    |       |              | County              | State               |  |  |  |
| SE 34 - 29 - 08             |       |              | San Juan            | New Mexico          |  |  |  |
| Formation                   |       |              | Pool                |                     |  |  |  |
| Mesa Verde                  |       |              | Blanco              |                     |  |  |  |
| Casing: Diameter            | ,     | Set At: Feet | Tubing: Diameter    | Set At: Feet        |  |  |  |
|                             | 4.500 | 5719         | 2 3/8"              | 5659,801            |  |  |  |
| Pay Zone: From              |       | То           | Total Depth;        | Shut In             |  |  |  |
|                             | 4652  | 5690¹        | 5719                | 6-14-79             |  |  |  |
| Stimulation Method          |       |              | Flow Through Casing | Flow Through Tubing |  |  |  |
| Sand Water                  | Frac  |              |                     |                     |  |  |  |

| Choke Size, Inches        |             | Choke Constant: C  |              |                          |      |             |          |
|---------------------------|-------------|--------------------|--------------|--------------------------|------|-------------|----------|
| Shut-In Pressure, Casing, | PSIG<br>788 | + 12 = PSIA<br>800 | Days Shut-In | Shut-In Pressure, Tubing | PSIG | + 12 = PSIA | 110      |
| Flowing Pressure: P       |             | + 12 = PSIA        | 114          | Working Pressure: Pw     |      | + 12 = PSIA | <u> </u> |
| Temperature:              |             | n =                |              | Fpv (From Tables)        |      | Gravity     |          |
| T= °F :=                  |             |                    |              |                          |      |             | Fg =     |

| CHOKE VOLUME = Q = | С | X | $P_{t}$ | x | F, | x | Fg | × | Fpv |
|--------------------|---|---|---------|---|----|---|----|---|-----|
|                    |   |   |         |   |    |   |    |   |     |

Q =

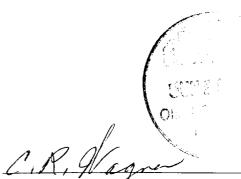
OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & & \\ & \frac{2}{P_c} & \\ & P_c & P_w \end{pmatrix}$$

$$Aof = \begin{pmatrix} & & \\ & & \\ & & \end{pmatrix} Q = \begin{pmatrix} & & \\ &$$

Aof =\_\_\_\_\_MCF/D

TESTED BY N. Wagoner

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



WE11 TEST ENGÎNEER