

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 26, 1979

| | | | |
|--|-----------------------------|----------------------------------|-----------------------------|
| Operator <u>El Paso Natural Gas Company</u> | | Lease <u>Riddle C 1A</u> | |
| Location <u>Sw 31-31-9</u> | | County <u>San Juan</u> | State <u>New Mexico</u> |
| Formation <u>Mesa Verde</u> | | Pool <u>Blanco</u> | |
| Casing: Diameter <u>4.500</u> | Set At: Feet <u>6065</u> | Tubing: Diameter <u>2 3/8</u> | Set At: Feet <u>5968</u> |
| Pay Zone: From <u>4852</u> | To <u>5956</u> | Total Depth: <u>6065</u> | Shut In <u>6-16-79</u> |
| Stimulation Method <u>Sand Water Frac</u> | | Flow Through Casing | Flow Through Tubing |

| | | | | | |
|--|---------------------------|---------------------------|---|-----------------------------|--|
| Choke Size, Inches | | Choke Constant: C | | | |
| Shut-In Pressure, Casing, PSIG <u>742</u> | + 12 = PSIA <u>754</u> | Days Shut-In <u>10</u> | Shut-In Pressure, Tubing PSIG <u>345</u> | + 12 = PSIA <u>357</u> | |
| Flowing Pressure: P PSIG | + 12 = PSIA | | Working Pressure: P _w PSIG | + 12 = PSIA | |
| Temperature: T = °F Ft = | n = | | F _{pv} (From Tables) | Gravity F _g = | |

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

Q =

= _____ MCF/D

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

$$Aof = \left(\frac{Q}{\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n} \right)^{\frac{1}{n}}$$

Aof = _____ MCF/D

TESTED BY Joe. Golding

WITNESSED BY _____



C.R. Wagner
Well Test Engineer