

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 17, 1977

| | | | |
|---|-----------------------|---------------------------|-----------------------|
| Operator El Paso Natural Gas Company | | Lease Barrett #4-A | |
| Location SE 20-31-09 | | County San Juan | State New Mexico |
| Formation Mesa Verde | | Pool Blanco | |
| Casing: Diameter 4 1/2 | Set At: Feet 5795' | Tubing: Diameter 2 3/8 | Set At: Feet 5463' |
| Pay Zone: From 4757 | To 5731 | Total Depth: 5795 | Shut In 11-8-77 |
| Stimulation Method Sandwater Frac | | Flow Through Casing | Flow Through Tubing |

| | | | | | |
|---------------------------------------|--------------------|-------------------|---------------------------------------|--------------------|--|
| Choke Size, Inches | | Choke Constant: C | | | |
| Shut-In Pressure, Casing, PSIG 677 | + 12 = PSIA 689 | Days Shut-In 9 | Shut-In Pressure, Tubing PSIG 640 | + 12 = PSIA 652 | |
| Flowing Pressure: P PSIG | + 12 = PSIA | | Working Pressure: P _w PSIG | + 12 = PSIA | |
| Temperature: T = °F Ft = | n = | | Fpv (From Tables) | Gravity 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.

TESTED BY C. R. Wagner

WITNESSED BY _____

C. R. Wagner
Well Test Engineer

