

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 30, 1977

| | | | |
|---|-----------------------|---------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Jicarilla 67 #18 | |
| Location SE 19-25-05 | | County Rio Arriba | State New Mexico |
| Formation Chacra | | Pool Otero Ext. | |
| Casing: Diameter 2 7/8 | Set At: Feet 3632' | Tubing: Diameter T/C | Set At: Feet |
| Pay Zone: From 3496 | To 3513 | Total Depth: PBTD 3632 | Shut In 6-23-77 |
| Stimulation Method Sandwater Frac | | Flow Through Casing | Flow Through Tubing |

| | | | | | |
|---------------------------------------|--------------------|-------------------|---------------------------------------|-----------------------------|--|
| Choke Size, Inches | | Choke Constant: C | | | |
| Shut-In Pressure, Casing, PSIG 441 | + 12 = PSIA 453 | Days Shut-In 7 | Shut-In Pressure, Tubing PSIG | + 12 = PSIA | |
| 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 = | |

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

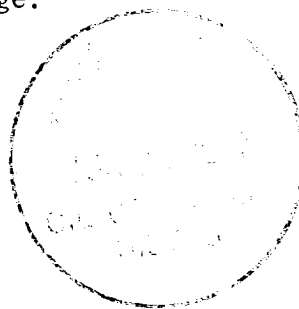
Q =

= _____ MCF/D

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

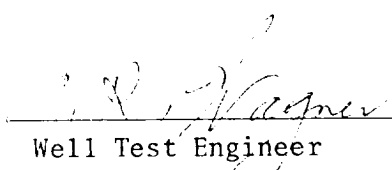
$$Aof = \left(\frac{\quad}{\quad} \right)^n = \text{No after frac gauge.}$$

Aof = _____ MCF/D



TESTED BY McAnally

WITNESSED BY _____


Well Test Engineer