

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 23, 1975

| | | | |
|---|-----------------------|---------------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Hancock A #7 | |
| Location 1660/N, 826/E, Sec. 35, T28N, R9W | | County San Juan | State New Mexico |
| Formation Chacra | | Pool Harris Mesa | |
| Casing: Diameter 2.875 | Set At: Feet 3108' | Tubing: Diameter No Tubing | Set At: Feet -- |
| Pay Zone: From 3310 | To 3458 | Total Depth: PBT 3108' 3497' | Shut In 1-16-75 |
| Stimulation Method Sandwater Frac | | Flow Through Casing XX | Flow Through Tubing |

| | | | | | |
|----------------------------------|------|-----------------------------|-------------------|--|----------------------------|
| Choke Size, Inches .750 | | Choke Constant: C 12.365 | | Tubingless Completion | |
| Shut-In Pressure, Casing, 902 | PSIG | + 12 = PSIA 914 | Days Shut-In 7 | Shut-In Pressure, Tubing No Tubing | PSIG + 12 = PSIA -- |
| Flowing Pressure: P 27 | PSIG | + 12 = PSIA 39 | | Working Pressure: P _w Calculated | PSIG + 12 = PSIA 50 |
| Temperature: T = 57 °F | | n = .75 | | Fpv (From Tables) 1.004 | Gravity .650 Fg = .9608 |

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365(39)(1.0029)(.9608)(1.004) = \underline{467} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{835396}{832896} \right)^n = 467(1.0030)^{.75} = 467(1.0022)$$

$$Aof = \underline{468} \text{ MCF/D}$$

Note: Light fog of distillate and water throughout test.

TESTED BY Norton

WITNESSED BY _____

[Signature]
Well Test Engineer

