

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 21, 1975

| | | | |
|--|-----------------------|---------------------------------|---------------------|
| Operator El Paso Natural Gas Company | | Lease Scott #8 | |
| Location 1750'S, 950'E, Sec. 17, T31N, R10W | | County San Juan | State New Mexico |
| Formation Pictured Cliffs | | Pool Blanco | |
| Casing: Diameter 2.875 | Set At: Feet 3005' | Tubing: Diameter No Tubing | Set At: Feet -- |
| Pay Zone: From 2822' | To 2956' | Total Depth: PBT 3005' 2994' | Shut In 10-8-75 |
| 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, PSIG 917 | + 12 = PSIA 929 | Days Shut-In 13 | Shut-In Pressure, Tubing PSIG No Tubing | + 12 = PSIA -- | |
| Flowing Pressure: P PSIG 63 | + 12 = PSIA 75 | | Working Pressure: P _w PSIG Calculated | + 12 = PSIA 93 | |
| Temperature: T = 61 °F | n = F _t = .9990 | | F _{pv} (From Tables) 1.007 | Gravity .635 | F _g = .9721 |

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

$$Q = (12.365)(75)(.9990)(.9721)(1.007) = \underline{\quad 907 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{863041}{854392} \right)^n = (907)(1.010)^{.85} = (907)(1.018)$$

$$Aof = \underline{\quad 914 \quad} \text{ MCF/D}$$

Note: Dry gas throughout test. Gas vented was 131 MCF.

TESTED BY Frank Johnson

WITNESSED BY _____

C. R. 9/10/75
Well Test Engineer

