

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE December 3, 1975

Operator El Paso Natural Gas Company		Lease Howell K #1-A	
Location 1800/N, 970/W, Sec. 21, T30N, R8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5153'	Tubing: Diameter 2.375	Set At: Feet 5071
Pay Zone: From 4253	To 5090	Total Depth: PBDT 5153' 5136'	Shut In 11-15-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 908	PSIG	+ 12 = PSIA 920	Days Shut-In 18	Shut-In Pressure, Tubing 894	PSIG
				+ 12 = PSIA 906	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub>	PSIG
				+ 12 = PSIA	
Temperature: T = °F	Ft =	n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =

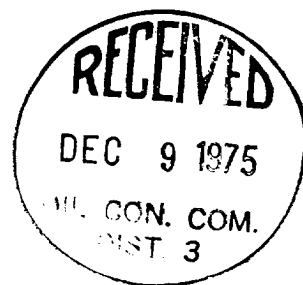
$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = \text{Pitot Tube gauge after frac 11-15-75} = \underline{3999} \text{ MCF/D}$$

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

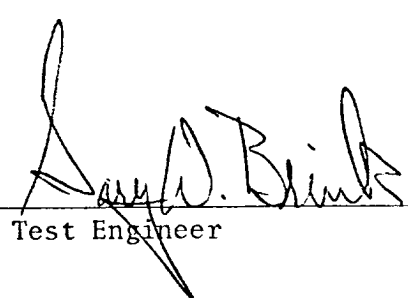
$$Aof = \left( \frac{\quad}{\quad} \right)^n =$$

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



TESTED BY \_\_\_\_\_

WITNESSED BY \_\_\_\_\_

  
 Well Test Engineer