

# EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE November 29, 1976

Operator El Paso Natural Gas Company		Lease San Juan 27-4 Unit #110	
Location SW 23, T27N, R4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 2 7/8"	Set At: Feet 4199'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 4032	To 4112	Total Depth: PBT 4199' 4188	Shut In 11-18-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 1088	+ 12 = PSIA 1100	Days Shut-In 11	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
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> =		

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

$$Q = \text{_____ MCF/D}$$

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

$$Aof = \left( \text{_____} \right)^n = \text{_____}$$

$$Aof = \text{_____ MCF/D}$$



TESTED BY Goodwin

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

L.P. Valdez  
Well Test Engineer