

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 24, 1979

Operator El Paso Natural Gas Company		Lease Atlantic #18	
Location SW 22-31-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3208	Tubing: Diameter T/C	Set At: Feet ---
Pay Zone: From 3031	To 3127	Total Depth: 3208	Shut In 5-17-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 499 PSIG	+ 12 = PSIA 511	Days Shut-In 7	Shut-In Pressure, Tubing T/C PSIG	+ 12 = PSIA ---	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F F _t =	n =	F _{pv} (From Tables)	Gravity F _g =		

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

Q =

= _____ MCF/D

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

$$Aof = \left(\frac{Q}{\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n} \right)^{\frac{1}{n}}$$

Aof = _____ MCF/D

TESTED BY J. Thurstonson

WITNESSED BY _____

C.R. Kaper
Well Test Engineer

