

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-27-79

Operator El Paso Natural Gas Company		Lease Atlantic #13	
Location SE 23 - 31 - 10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3321	Tubing: Diameter T/C	Set At: Feet -----
Pay Zone: From 3172	To 3286	Total Depth: 3321	Shut In 6-19-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 569	+ 12 = PSIA 581	Days Shut-In 8	Shut-In Pressure, Tubing PSIG -----	+ 12 = PSIA -----	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	n =	Fpv (From Tables)	Gravity Fg =		

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

Q =

= _____ MCF/D

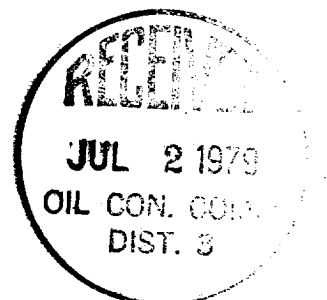
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY J. Thurstonson

WITNESSED BY _____



C. R. Wagner
Well Test Engineer