

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 12, 1979

Operator El Paso Natural Gas Company		Lease San Juan 29-7 Unit #33A	
Location SE 13-29-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5973'	Tubing: Diameter 2 3/8	Set At: Feet 5922'
Pay Zone: From 5072'	To 5914'	Total Depth: 5973'	Shut In 2-2-79
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 857	+ 12 = PSIA 869	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 855	+ 12 = PSIA 867	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	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

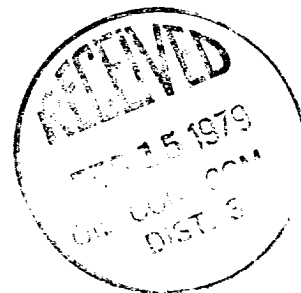
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY R. Headrick

WITNESSED BY _____



C.R. Hagan
Well Test Engineer