

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 11, 1978

Operator El Paso Natural Gas Company		Lease S.J. 32-9 Unit #22-A	
Location NW 14-31-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5694'	Tubing: Diameter 2 3/8	Set At: Feet 5643'
Pay Zone: From 4682'	To 5684'	Total Depth: 5694'	Shut In 11-30-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 586	+ 12 = PSIA 598	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 586	+ 12 = PSIA 598	
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 =	

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

Q =

= _____ MCF/D

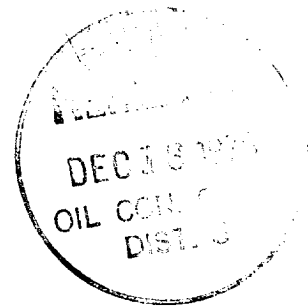
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY J. Thurstonson

WITNESSED BY _____



C. R. Hagan
Well Test Engineer