

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 16, 1979

Operator El Paso Natural Gas Company		Lease S.J. 30-6 Unit #13-A	
Location SE 32-30-06		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5979'	Tubing: Diameter 2.375	Set At: Feet 5869'
Pay Zone: From 5187'	To 5877'	Total Depth: 5979'	Shut In 1-9-79
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 710	+ 12 = PSIA 722	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 218	+ 12 = PSIA 230	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA	
Temperature: T = °F F <sub>t</sub> =	n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =	

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

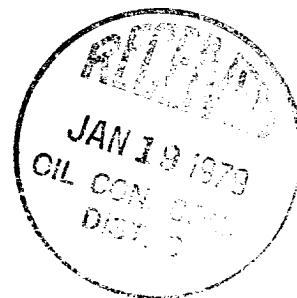
Q =

= \_\_\_\_\_ 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 D. Norton

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

*C.R. Wagner*  
Well Test Engineer