

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 18, 1978

Operator El Paso Natural Gas Company		Lease Riddle C #2A	
Location SE 30-31-09		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4 1/2	Set At: Feet 5887'	Tubing: Diameter 2 3/8	Set At: Feet 5771'
Pay Zone: From 4686	To 5829'	Total Depth: 5887'	Shut In 12-3-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 706	+ 12 = PSIA 718	Days Shut-In 46	Shut-In Pressure, Tubing PSIG 701	+ 12 = PSIA 713	
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> =	

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

Q =

= \_\_\_\_\_ MCF/D

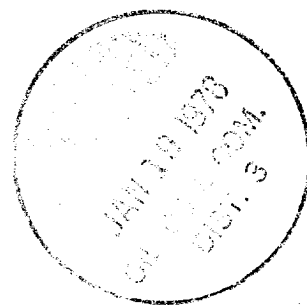
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = \_\_\_\_\_ MCF/D

TESTED BY Headrick

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



C. R. Wagner  
Well Test Engineer