

# EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE January 8, 1979

Operator El Paso Natural Gas Company		Lease Lucerne A #1-A	
Location NW 9-31-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5488'	Tubing: Diameter 2.375	Set At: Feet 5401'
Pay Zone: From 4307'	To 5422'	Total Depth: 5488'	Shut In 12-24-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 704	+ 12 = PSIA 716	Days Shut-In 15	Shut-In Pressure, Tubing PSIG 704	+ 12 = PSIA 716	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	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

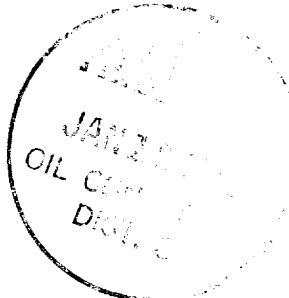
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

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

TESTED BY J. Thurstonson

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


  
C. R. Wagner
   
Well Test Engineer