

OPEN FLOW TEST DATA

DATE January 10, 1980

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit #16A	
Location SE 8-31-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6251	Tubing: Diameter 2 3/8	Set At: Feet 6130
Pay Zone: From 5330	To 6150	Total Depth: 6251	Shut In 1-3-80
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 698	+ 12 = PSIA 710	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 344	+ 12 = PSIA 356	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: Pw PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravity Fg =	

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

Q =

= _____ MCF/D

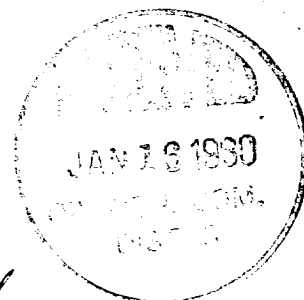
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n = \frac{Af}{Us}$$

Aof = _____ MCF/D

TESTED BY J. Thurstonson

WITNESSED BY _____



C. R. Wagner
Well Test Engineer