

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 3, 1979

Operator El Paso Natural Gas Company		Lease San Juan 1A	
Location SE 1 - 30 - 10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5956	Tubing: Diameter 2.375	Set At: Feet 5917
Pay Zone: From 4870	To 5918	Total Depth: 5956	Shut In 6-22-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 601	+ 12 = PSIA 613	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 284	+ 12 = PSIA 296	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravity Fg =	

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

Q =

= _____ MCF/D

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

$$A_{of} = \left(\frac{Q}{\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n} \right)^{\frac{1}{n}}$$

A_{of} = _____ MCF/DTESTED BY Norman Waggoner

WITNESSED BY _____

C. R. Hagan
Well Test Engineer