

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 20, 1979

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #21A	
Location SE 9-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5524	Tubing: Diameter 2 3/8	Set At: Feet 5487
Pay Zone: From 4538	To 5494	Total Depth: 5524	Shut In 6-10-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 1043	+ 12 = PSIA 1055	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 489	+ 12 = PSIA 501	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F _{pv} (From Tables)	Gravity Fg =	

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

Q =

= _____ MCF/D

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

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

Aof = _____ MCF/D

TESTED BY Norman Waggoner

WITNESSED BY _____



H. E. McAnally
Well Test Engineer