

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 19, 1979

Operator El Paso Natural Gas Company		Lease Bolin 1A	
Location SE 30-29-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5692	Tubing: Diameter 2 3/8	Set At: Feet 5636
Pay Zone: From 4546	To 5655	Total Depth: 5692	Shut In 6-8-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 716	+ 12 = PSIA 728	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 50	+ 12 = PSIA 62	
Flowing Pressure: P PSIG	+ 12 = PSIA	Working Pressure: P _w PSIG	+ 12 = PSIA		
Temperature: T = °F Ft =	n =	F _{pv} (From Tables)	Gravity F _g =		

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

Q =

= _____ MCF/D

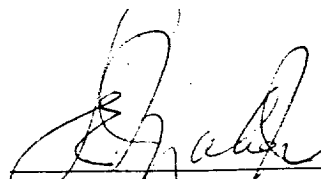
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY Norman Waggoner

WITNESSED BY _____


Well Test Engineer