

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 30, 1979

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit 31 A	
Location NW 13-31-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5843	Tubing: Diameter 2 3/8	Set At: Feet 5765
Pay Zone: From 4664	To 5786	Total Depth: 5843	Shut In 5-23-79
Stimulation Method SAND WATER FRAC		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 715	+ 12 = PSIA 727	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 715	+ 12 = PSIA 727	
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 J. Thurstonson

WITNESSED BY _____

E. R. Wagner
Well Test Engineer