

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 17, 1960**

Operator EL PASO NATURAL GAS COMPANY	Lease Angel Peak No. 1
Location 1150'S, 1090'W, 2-27N-11W	County San Juan State New Mexico
State Dakota	Pool Undesignated
Casing (Inches) 5-1/2" Set At Feet 6548	Tubing (Inches) 2" Set At Feet 6443
Pay Zone (Feet) 6340 T. 6462	Total Depth 6550 C/O Shut In 9/21/60
Completion Method Sand/Water Frac.	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C ₁ 12.365	Block Diameter 26	Shut-In Pressure, PSIG 1915	Shut-In Pressure, PSIA 1927	Working Pressure, PSIG 692	Working Pressure, PSIA 704	Flow Through Tubing 1532	Gravity .720	F _g .9129
Temperature 83	F ₁ .9786	F ₂ 0.75	Eq. Frac. Tables 1.083	Gravity .720	F _g .9129				

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_g$

$$(12.365)(704)(.9786)(.9129)(1.083) = 8422 \text{ MCF/D}$$

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

$$\left(\frac{3,721,041}{1,337,105} \right)^n = (2.7829)^{.75}(8422) = (2.1580)(8422)$$

ANS **18175** MCF/D

Ronald Headrick

Checked by W. D. Dawson

