

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 11, 1960

Operator EL PASO NATURAL GAS COMPANY		Lease Lindrith Unit No. 35	
Location 1750'S, 1550'E, 15-24N-3W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing Diameter 2-1/2"	Set At Feet 3339	Tubing Diameter no tubing	Set At Feet ---
Pay Zone From 3220	To 3264	Total Depth 3316 C/O 3282	Shut In 9/22/60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .075		Choke Constant, C 12.365		"Slim Hole"	
Shut-In Pressure, Casing, PSIG 1002	PSIA 1014	Days Shut-In 19	Shut-In Pressure, Tubing, PSIG ---	PSIA ---	
Flowing Pressure: P, PSIG 197	PSIA 209		Working Pressure: Pw, PSIG Calc. 268	PSIA 268	
Temperature, T, F 60	F, F 1.000		Flow Through Casing, Fg 1.023	Gravity .690	Fg .9325

CHOKER VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(209)(1.000)(.9325)(1.023)$$

2465

MCF/D

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

$$Aof = \left(\frac{1,028,196}{956,372} \right)^n \quad (1.0751)^{.85}(2465) = (1.0635)(2465)$$

Aof **2,622** MCF/D

TESTED BY **Ronald Headrick**

WITNESSED BY

Calculated by **Mr. L. M. Mitchell, Jr.**
Checked by **D. W. Dawson**

Lewis D. Galloway
Lewis D. Galloway

