

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 3, 1961**

Operator El Paso Natural Gas Company		Lease Rinecn No. 158	
Location 1090'S, 1460'W, Sec. 22-27N-6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4-1/2"	Set At: Feet 7673	Tubing: Diameter 2-3/8"	Set At: Feet 7562
Pay Zone: From 7376	To 7578	Total Depth 7673 c/o 7604	Shut-In 10-11-61
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches 0.750	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2582	12 PSIA	Days Shut-In 23	Shut-In Pressure, Tubing, PSIG 2367
Flowing Pressure: P, PSIG 273	12 PSIA		Working Pressure: Pw, PSIG 1074
Temperature: F 72			Fpv (From Tables) 1.027
Ft. .9887	.75		Gravity .668 Fg .9498

CHOKE VOLUME $Q = C \times P_c \times F_p \times F_g \times F_{pv}$

$$Q = (12.365)(285)(.9887)(.9498)(1.027)$$

3399

MCF/D

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

$$Aof = \left(\frac{6,728,836}{5,549,440} \right)^n (3399)(1.2125)^{.75} = (3399)(1.1558)$$

Aof

3929

MCF/D

TESTED BY

Dannie Roberts

WITNESSED BY

Calculated by: W. D. Dawson



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