

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **November 11, 1959**

Operator El Paso Natural Gas Company		Lease Federal No. 3-1-D	
Location 6008, 800W; 3-25-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Gavilan	
Casing: Diameter 5-1/2	Set At: Feet 3783	Tubing: Diameter 1-1/4	Set At: Feet 3753
Pay Zone: From 3716	To 3756	Total Depth: c/o 3770	Shut In: 10/24/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 913	- 12 = PSIA 925	Days Shut-In 18	Shut-In Pressure, Tubing PSIG 912	- 12 = PSIA 924	
Flowing Pressure: P PSIG 19	- 12 = PSIA 31		Working Pressure: Pw PSIG 96	- 12 = PSIA 108	
Temperature: T °F 53	n .85		Fpv (From Tables) 1.004	Gravity .695	

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 31 \times 1.0068 \times .9292 \times 1.004 = 360 \text{ MCF/D}$$

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

$$Aof = \left(\frac{855625}{843961} \right)^n = 1.0138^{.85} \times 360 = 1.0117 \times 360$$

$$Aof = 364 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**

WITNESSED BY _____



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