

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 10, 1963

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 116	
Location 1490'S, 990'E, Sec. 12, T-24-N, R-6-W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.50	Set At: Feet 6697	Tubing: Diameter 2.375	Set At: Feet 6539
Pay Zone: From 6510'	To 6622	Total Depth: 6697 c/o 6666	Shut In 8-29-63
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 2412	12 PSIA 2424	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 2407
Flowing Pressure: P, PSIG 247	12 PSIA 259		Working Pressure: P _w , PSIG 905
Temperature: T: 76 F	F: .9850		F _{pv} (From Tables) 1.022
			Gravity .650
			F _g : .9608

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

$$Q = (12.365)(259)(.9850)(.9608)(1.022) = 3098 \text{ MCF/D}$$

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

$$Aof = \left(\frac{5,875,776}{5,034,887} \right)^n (1.1670)^{.75} (3098) = (1.1229)(3098)$$

$$Aof = 3479 \text{ MCF/D}$$

NOTE: Blew fair amount of water, distillate and sand throughout entire test.

TESTED BY Don Mortensen

WITNESSED BY

Checked by: H. L. Kendrick

