

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 12, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-6 No. 110	
Location 1550'S, 990'W, Sec. 25-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7685	Tubing: Diameter 2.375	Set At: Feet 7533
Pay Zone: From 7400	To 7590	Total Depth: 7686 C/O 7651	Shut In 12-5-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2426	PSIG - 12 - PSIA 2438	Days Shut-in 7	Shut-In Pressure, Tubing, PSIG 2199
Flowing Pressure: P 242	PSIG - 12 - PSIA 254		Working Pressure: Pw 1416
Temperature: T 65 F	n .9952		Gravity .680
	.75		Fg .9393
			1.027

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_{av}$

$$Q = (12.365)(254)(.9952)(.9393)(1.027)$$

3015 MCF/D

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

$$Aof = \left(\frac{5,943,844}{3,904,660} \right)^n (3015)(1.5222)^{.75} = (3015)(1.3704)$$

Aof **4132** MCF/D

TESTED BY **D. E. Mortensen**
 Calculated by **W. D. Dawson**
 Checked by **T. B. Grant**



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