

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 1, 1962

Operator El Paso Natural Gas Company		Lease Roelofs No. 5-E	
Location 990'N, 1650'W, Sec. 22-29-8		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3429	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3322	To 3348	Total Depth: 3435	Shut In 7-23-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing ----

Choke Size, Inches .750	Choke Constant: C 12.365	"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 1011	PSIA 1023	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure, P, PSIG 106	PSIA 118	Working Pressure: Pw, PSIG Calc.	PSIA 151
Temperature: T 64 F	F _r .9962	F _p (From Tables) 1.010	Gravity .635 F _g .9721

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

$$Q = (12.365)(118)(.9962)(.9721)(1.010) = 1427 \text{ MCF/D}$$

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

$$Aof \left(\frac{1,046,529}{1,023,728} \right)^n = (1.0222)^{.85}(1427) = (1.0189)(1427)$$

Aof **1454** MCF/D

By **Dannie R. Roberts**

Witnessed by

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