

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **November 27, 1962**

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-6 No. 108	
Location 990'N, 1600'W, Sec. 1-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3366	Tubing: Diameter NO TUBING	Set At: Feet ----
Pay Zone: From 3276	To 3300	Total Depth: 3382	Shut In 11-11-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 1071	PSIG ± 12 PSIA 1083	Days Shut-In 16	Shut-In Pressure, Tubing, PSIG NO TUBING
Flowing Pressure: F, PSIG 198	PSIG ± 12 PSIA 210	Working Pressure: Fw (Calc.)	PSIG ± 12 PSIA 269
Temperature, F 65	μ .9952	ρ_{gv} From Tables 1.019	Gravity .650
	ρ_g .85		ρ_g .9608

CHOKE VOLUME $Q = C \times P_r \times F \times F_g \times F_{gv}$

$$Q = (12.365)(210)(.9952)(.9608)(1.019)$$

2530 MCF/D

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

$$Q = \left(\frac{1,172,889}{1,100,528} \right)^n$$

$$(2530)(1.0657)^{.85} = (2530)(1.0556)$$

NOTE: Blew clear gas.

Actual 2671

MCF/D

R. F. Headrick

Calculated by W. D. Dawson

Checked by H. L. Kendrick



Lewis D. Galloway
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