

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 11, 1962

Operator El Paso Natural Gas Company		Lease Johnston State No. 11	
Location 1450'S, 1190'E, Sec. 36-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3313	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3190	To 3227	Total Depth: 3315	Shut In 7-3-62
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, 1023	PSIG - 12 PSIA 1035	Days Shut-In 8	Shut-In Pressure, Tubing No Tubing	PSIG - 12 PSIA ----	
Flowing Pressure: P 39	PSIG - 12 PSIA 51		Working Pressure: Pw Calc.	PSIG - 12 PSIA 65	
Temperature: 60			Fv (From Tables) 1.004	Gravity .650	Fg .9608
	Fv 1.000	.85			

CHOKE VOLUME $Q = C \times P_i \times F_v \times F_g \times F_{pv}$

$Q = (12.365)(51)(1.000)(.9608)(1.004) \dots 608 \text{ MCF/D}$

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

Aof $\left(\frac{1,071,225}{1,067,000} \right)^n = (1.0039)^{.85}(608) = (1.0033)(608)$

Aof **610** MCF/D

TESTED BY **Dannie R. Roberts**

WITNESSED BY

Checked by: H. E. McAnally

Lewis D. Galloway
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