

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 5, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 91	
Location 828°N, 1002°W, Sec. 11-26-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5½	Set At: Feet 3015	Tubing Diameter No tubing	Set At: Feet
Flow Zone: From 2948	To 2978	Total Depth: 3025 - P.B. 2990	
Stimulation Method Sand Water		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75	Choke Constant: C 14.1605			
Shut-in Pressure, Casing, PSIG 783	PSIA 795	Days Shut-In 12	Shut-in Pressure, Tubing, PSIG No tubing	PSIA 12
Flowing Pressure: P, PSIG 439	PSIA 451		Working Pressure: Pw, PSIG Calculated	PSIA 455
Temperature: T, °F 60	°F .85		Fpv: From Tables 1.043	Gravity .640

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

$$Q = 14.1605 \times 451 \times 1.0 \times .9682 \times 1.043$$

6449

MCF D

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

$$\left(\frac{632,025 - 425,000}{632,025 - 425,000} \right)^{.85}$$

$$(1.4871)^{.85} = 1.401 \times 6449$$

As of 9035

MCF D

R. A. Ullrich



L. D. Galloway
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