

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 29, 1956

El Paso Natural Gas Company		Lease Rincon # 79	
Location 1124'N, 893'E, Sec. 17-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At: Feet 5631	Tubing Diameter 2"	Set At: Feet 5589
Pay Zone: From 4897	To 5566	Total Depth: 5635 - c/o - 5600	
Stimulation Method		Flow Through Casing	Flow Through Tubing X

Choke Size 0.75"		Choke Constant C 14.1605	
Shut-in Pressure, Casing, PSIG 1044	PSIA 1056	Days Shut-In 8	Shut-in Pressure, Tubing PSIG 981
Flowing Pressure, P PSIG 329	PSIA 341	Working Pressure, Pw PSIG 775	PSIA 787
Temperature, T 75	F 75	Fpv (From Tables) 1.033	Gravity .684

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$C \quad 14.1605 \times 341 \times .9859 \times .9393 \times 1.033 \quad 4619 \quad \text{MCF D}$

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

$Q_{of} = \left(\frac{1,115,136}{495,767} \right)^n \quad 2.2493^{.75} = 1.835 \times 4619$

$Q_{of} \quad 8476 \quad \text{MCF D}$

R. A. Ullrich



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