

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 7, 1960

Operator El Paso Natural Gas Company		Lease San Juan 29-7 Unit No. 75-23	
Location 1800N, 1750E; 23-29N-7W		County Rio Arriba	State New Mexico
Formation Mesaverde		Pool Blanco	
Casing Diameter 7-5/8"	Casing Feet 3304	Tubing Diameter 2"	Tubing Feet 5331
Pay Zone Feet 4804	5334	Total Depth 5454 c/o 5408	Shut-In 6/11/60
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant, C 12.365		5-1/2" liner from 3257 to 5448	
Shut-In Pressure, P _{si} 1089	12 - PSIA 1101	Days Shut-In 26	Shut-In Pressure, Tubing 1084	12 - PSIA 1096	
Flowing Pressure, P _f 425	PSIG 437		Working Pressure, P _w 937	PSIG 949	
Temperature, T 72			Rev. From Tables 1.044	Gravity .670	F _g = .9463
Pt = .9887		.75			

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 437 \times .9887 \times .9463 \times 1.044$$

5278

MCF/D

OPEN FLOW $Q = Q_c \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_c^2} \right)^n$

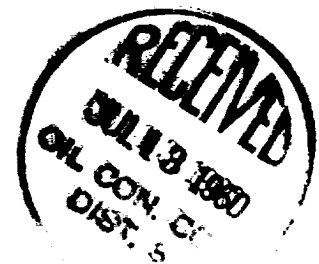
$$Q = \left(\frac{1212201}{311600} \right)^n$$

$$3.8902^{.75} \times 5278 = 2.765 \times 5278$$

$$Q = 14594 \text{ MCF/D}$$

TESTED BY F. M. Clark

WITNESSED BY

Checked By Bob Nickell

Lewis D. Galloway
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