

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 19, 1958

Operator El Paso Natural Gas Company		San Juan 28-7 Unit 85	
Location 856N, 1090E; 6-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Blanco Mesa Verde	
Casing Diameter 7-5/8"	Set At: Feet 4654	Tubing Diameter 2"	Set At: Feet 5096
Pay Zone From 4810	To 5114	Total Depth 5114	Shut-in 5/19/58
Stimulation Method Sand water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Constant .75	Choke Constant 12.365	5-1/2" liner 4603 - 5114	
Shut-in Pressure, PSIG 1049	PSIA 1061	Days Shut-in 31	Shut-in Pressure, Tubing PSIG 1060
Flowing Pressure, PSIG 227	PSIA 239	Working Pressure, PSIG 547	PSIA 559
Temperature, °F 70	°F .75	Flow From Tables 1.022	Gravity .674

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 239 \times .9905 \times .9463 \times 1.022$$

2831

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{1149184}{836703} \right)^n$$

$$(1.3734)^{.75} \times 2831 = (1.2685) (2831) =$$

A_{of} 3591 MCF/D

Frank M. Clark

WITNESSED BY

Checked by: Bob Davis

L. D. Galloway
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