

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 8, 1958**

Operator El Paso Natural Gas		Lease San Juan 29-7 No. 68	
Location 890S, 1800W, 36-29-7		County Rio Arriba State New Mexico	
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8 "	Set At Feet 3816	Tubing Diameter 2"	Set At Feet 5937
Perforations 5816	5970	Total Depth 5993	Shut-in 4/16/58
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, inches .75		Choke Constant 12.365	
Shut-in Pressure, Casing 1063	PSIG	Shut-in Pressure, Tubing 1063	PSIG
Flowing Pressure, P 410	PSIG	Working Pressure, P _w 944	PSIG
Temperature, T 65	F	Flow From Tables 1.045	Gravity 0.665

CHOKE VOLUME $Q = C \times P_* \times F_* \times F_g \times F_{gv}$

$$Q = 12.365 \times 422 \times .9952 \times .9498 \times 1.045$$

$$= 5154 \text{ MCF/D}$$

OPEN FLOW $A_{of} = \left(\frac{P_*^2 - P_w^2}{P_*^2} \right)^n$

$$A_{of} = \left(\frac{1155625}{241689} \right)^n$$

$$(4.7814)^{.75} \times 5154 = 3.2300 \times 5154 =$$

$$A_{of} = 16,647 \text{ MCF/D}$$

POSTED BY **Jess Goodwin**

WITNESSED BY

Checked By: **Bill Rischard**

Louis D. Galloway
L. D. Galloway



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