

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 16, 1958

Operator El Paso Natural Gas		Lease San Juan 32-9 Unit 62	
Location 1800N, 1100E, 14-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8"	Set At Feet 3798	Tubing Diameter 2"	Set At Feet 5906
Pay Zone From 5668	To 5880	Total Depth 6015	Shut-In 4/29/58
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 3753 - 6015
Shut-In Pressure, Casing 981	PSIG - 12 - PSIA 993	Days Shut-In 17	Shut-In Pressure, Tubing 971 983
Flowing Pressure, P 240	PSIG - 12 - PSIA 252	Working Pressure, P _w 633	PSIG - 12 - PSIA 645
Temperature, T 71	F _{pv} 75	F _{pv} From Tables 1.024	Gravity .669

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

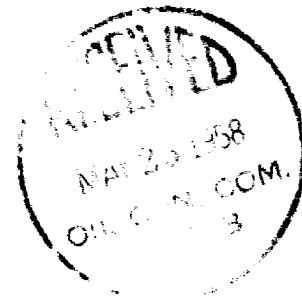
$Q = 12.365 \times 252 \times .9896 \times .9498 \times 1.024$ 2999 MCF/D

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

$Q = \left(\frac{986049 - 570024}{981 - 240} \right)^n$

$(1.7298)^{.75} \times 2999 = 1.5040 \times 2999$

4510 MCF/D



Jesse B. Goodwin

Checked By H. L. Kendrick

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