

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **September 29, 1958**

Operator El Paso Natural Gas		Lease Burroughs State No. 2	
Location 1650N, 1600E; 16-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Point Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3412	Tubing: Diameter 2"	Set At: Feet 5645
Pay Zone: From 5328	To 5632	Total Depth 5754 c/o 5700	Shut in 9/22/58
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 3390 - 5750
Shut-In Pressure, Casing, PSIG 944	PSIA 956	Days Shut-In 7
Flowing Pressure, F, PSIG 290	PSIA 302	Shut-In Pressure, Tubing, PSIG 944
Temperature, T 78		PSIA 956
	.75	Working Pressure, F, PSIG 745
		PSIA 757
		Exp. From Tables 1.022
		Gravity .606

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

$$Q = 12.365 \times 302 \times .9831 \times .9958 \times 1.022$$

3736 MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_{wf}^2} \right)^n$$

$$A_{of} = \left(\frac{913936}{340887} \right)^n$$

$$2.6810^{.75} (3736) = 2.0980 (3736)$$

$$A_{of} = 7,838 \text{ MCF/D}$$

M. W. Rischard



L. D. Galloway
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