

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 6, 1958

Operator El Paso Natural Gas Company		Lease San Juan 29-7 Unit No. 55	
Location 1600'N, 860'E, Sec. 36-29-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3533	Tubing: Diameter 2"	Set At: Feet 5641
Pay Zone: From 5108	To 5646	Total Depth: 5732	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365	5-1/2" liner. 3491 - 5730	
Shut-In Pressure, Casing, PSIG 1097	12 - PSIA 1109	Days Shut-In 31	Shut-In Pressure, Tubing, PSIG 1090
Flowing Pressure: P, PSIG 442	12 - PSIA 454		Working Pressure: P _w , PSIG 989
Temperature: T, F 67			Gravity 0.669
	.75		F _{pv} (From Tables) 1.047

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_{cv}$

$$Q = 12.365 \times 454 \times 0.9933 \times .9498 \times 1.047 = 5545 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,229,881}{227,880} \right)^n \cdot 5.3970^{.75} \times 5545 = 3.5400 \times 5545$$

$$A_{of} = 19,629 \text{ MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY



L. D. Galloway
L. D. Galloway

COMMISSION
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