

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 19, 1956

Operator El Paso Natural Gas Company		Lease Storey #3-C	
Location 850'S, 990'E, Sec. 33-28-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5 1/2	Set At: Feet 3059	Tubing Diameter 1 1/4	Set At: Feet 2997
Pay Zone: From 2978	To 3016	Total Depth 3060 c/o 5860	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 703	PSIA 715	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 703
Flowing Pressure, P, PSIG 218	PSIA 230		Working Pressure, Pw, PSIG 226
Temperature, T, F 61			Gravity 650
			Exp. From Tables 1.022

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

$$Q = 14.1605 \times 230 \times .9990 \times .9608 \times 1.022 \quad 3195 \quad \text{MCF/D}$$

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

$$\frac{511,225}{454,581} \times 3195 = 1.1246 \times 3195 = 1.1047 \times 3195$$

$$Q_{act} = 3530 \quad \text{MCF/D}$$

TESTED BY **Tom Grant**

WITNESSED BY



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