

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 22, 1959

Operator El Paso Natural Gas		Lease Jicarilla No. 7-C	
Location 16508, 800W; 22-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At Feet 3435	Tubing Diameter 1-1/4	Set At Feet 3384
Pay Zone From 3364	To 3398	Total Depth 3432 c/o 3410	Shut In: 7/8/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, inches .75		Choke Constant, C 12.365	
Shut-In Pressure, Cor. 959	PSIG	PSIA	Flow Through Casing 959
Flowing Pressure, P 298	PSIG	PSIA	Working Pressure, Pw 304
Temperature, T 74	F	F	Flow Through Casing 1.032
			Grav .689

CHOKE VOLUME $Q = C \times P_1 \times E_1 \times F_g \times F_{ov}$
 $Q = 12.365 \times 310 \times 9868 \times 9359 \times 1.032 = 3653 \text{ MCF/D}$

$$\text{OPEN FLOW } A_1 = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^{1/n}$$

$$A_1 = \left(\frac{942841}{842985} \right)^{1/n}$$

$$1.1184^{.85} \times 3.653 = 1.0998$$

 $A_1 = 4018 \text{ MCF/D}$
PREPARED BY Jesse B. Goodwin

WITNESSED BY _____

Checked By H. L. Kendrick

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