

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 2, 1959

Operator El Paso Natural Gas		Lease Jicarilla No. 5-D	
Location 16508, 1740W; 29-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At Feet 3258	Tubing Diameter 1-1/4	Set At Feet 3190
Perforation From 3126	To 3190	Total Depth c/o 3219	Shut In: 11/21/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches .75		Choke Constant, C 12.365	
Shut-in Pressure, Casing, PSIG 946	12 - PSIA 958	Shut-in Pressure, Tubing, PSIG 946	12 - PSIA 958
Flowing Pressure, PSIG 49	12 - PSIA 61	Working Pressure, PSIG 53	12 - PSIA 65
Temperature, F 56	.85	Spv. From Tables 1.004	Gravity .695

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

$$Q = 12.365 \times 61 \times 1.0039 \times .9292 \times 1.004$$

706

MCF/D

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

$$A_{of} = \left(\frac{917764}{913539} \right)^n$$

$$1.0046^{.85} \times 706 = 1.0039 \times 706$$

Aof 709 MCF/D

TESTED BY D. Mortensen

WITNESSED BY

Checked By W. D. Dawson

Lewis D. Galloway
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