

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 23, 1959

Operator El Paso Natural Gas		Lease Klein No. 9	
Location 9908, 990E; 35-26-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 2627	Tubing: Diameter 1-1/4	Set At: Feet 2550
Pay Zone: From 2536	To 2576	Total Depth 2631 c/o 2597	Shut In 12/16/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 876	PSIG - 12 - PSIA 888	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 683
Flowing Pressure: P, PSIG 27	PSIG - 12 - PSIA 39	Working Pressure: P _w , PSIG 48	PSIG - 12 - PSIA 60
Temperature: T, °F 54	n 1.0058	F _{pv} (From Tables) 1.004	Gravity .650 F _g = .9608

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 39 \times 1.0058 \times .9608 \times 1.004$$

468

MCF/D

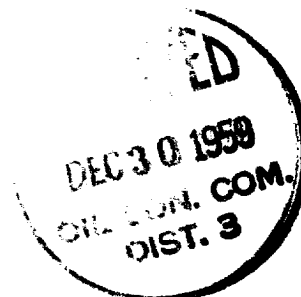
$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{788544}{784944} \right)^n$$

$$1.0045^{.65} \times 468 = 1.0038 \times 468$$

A_{of} = 470 MCF/DTESTED BY Frank M. Clark

WITNESSED BY

Checked By W. D. Dawson

L. D. Galloway
L. D. Galloway by T86

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