

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 1, 1963

Operator El Paso Natural Gas Company	Lease San Juan Unit 28-5 No. 61
Location 1650'N, 990'E, Sec. 18-28-5	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing: Diameter 4.500	Set At: Feet 8025
Pay Zone: From 7800	To 7988
Stimulation Method Sand/Water Frac.	Flow Through Casing Flow Through Tubing
	X
Tubing: Diameter 2.375	Set At: Feet 7989
Total Depth: 8025	Shut In 12-29-62

Choke Size, Inches .75	Choke Constant, C 12.365
Shut-In Pressure, Casing, PSIG 2762	12 - PSIA Days Shut-In 62
Shut-In Pressure, Tubing, PSIG 2762	12 - PSIA 2774
Flowing Pressure: P, PSIG 379	12 - PSIA 391
Working Pressure: P _w , PSIG 1360	12 - PSIA 1372
Temperature: T: 76 F	F _g : .9850
F _g : .75	F _g : .8885
F _{pv} (From Tables) 1.052	Gravity .760

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

$Q = 12.365 \times 391 \times .9850 \times .8885 \times 1.052 = 4451$ MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_c^2}{P_w^2} \right)^n$

$Aof = \left(\frac{7,695,076}{5,812,692} \right)^n$

$(1.3238)^{.75} (4451) = (1.2341)(4451)$

Aof = **5493** MCF/D



TESTED BY C. R. Wagner

Calculated by T. B. Grant

Checked by H. L. Kendrick

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