

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 1, 1964

Operator El Paso Natural Gas Company		Lease El Paso Lease No. 52	
Location El Paso, 33000, Sec. 1, T-2-N, R-3-W		County El Paso	State New Mexico
Formation Permian		Pool El Paso	
Casing Diameter 10.75	Inner Flow 10.75	Tubing Diameter 2.375	Set At: Feet 6-22-64
Pay Zone From 3000	To 3130	Total Depth 3215	Shut in 6-22-64
Stimulation Method None		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 2.375	Choke Coefficient C 12.365	Shut-in Pressure, Casing, PSIG 100		Shut-in Pressure, Tubing, PSIG 100
Flowing Pressure, Casing, PSIG 100	Flowing Pressure, Tubing, PSIG 100	Working Pressure, PSIG 157	Gravity .650 F _g = .9603	
Temperature 58 °F	n = 1.0019	F _{pv} (From Table) 1.011		

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

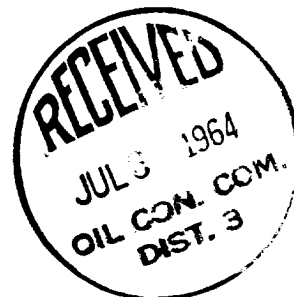
$$Q = (12.365)(100)(1.0019)(.9603)(1.011) = 1192 \text{ MCF/D}$$

$$\text{OPEN FLOW} = A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^{.5}$$

$$A_{of} = \left(\frac{831714}{807095} \right)^{.5} = (1192)(1.0253) = (1192)(1.0253)$$

$$A_{of} = 1230 \text{ MCF/D}$$

TESTED BY Wesley B. Goodwin
 Calculated
 Reviewed by W.D. Galloway



Lewis D. Galloway
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