

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 11, 1960

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-7 No. 118	
Location 1700'S, 1475'W, 12-27N-7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing Diameter 2-1/2"	Set At: Feet 3289	Tubing Diameter No tubing	Set At: Feet ----
Pay Zone: From 3192	To 3249	Total Depth: C/O 3250	Shut In 9/15/60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365		"Slim Hole"	
Shut-In Pressure, Casing, PSIG 1110	PSIG 1122	PSIA 1122	Days Shut-In 19	Shut-In Pressure, Tubing, PSIG ----	PSIG ----
Flowing Pressure, P, PSIG 106	PSIG 118	PSIA 118		Working Pressure: P _w , PSIG Calc.	PSIG 150
Temperature: T 60 F				E _{pv} From Tables) 1.010	Gravity .650 F _g .9608
	F _r 1.000	0.85			

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

$$Q = (12.365)(118)(1.000)(.9608)(1.010) = 1416 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,258,884}{1,236,384} \right)^n (1.0181)^{.85} (1416) = (1.0154)(1416)$$

$$Aof = 1438 \text{ MCF/D}$$

TESTED BY D. E. Mortensen

WITNESSED BY

Calculated by R. L. Nickell, Jr.Checked by W. D. Davison

Lewis D. Galloway
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