

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 11, 1960

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-6 No. 96	
Location 1150'S, 890'W, 9-27N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing: Diameter 2-1/2"	Set At: Feet 3237	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3136	To 3182	Total Depth: 3250 C/O 3207	Shut In 8/31/60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing ----

Choke Size, Inches 0.75		Choke Constant: C 12.365		"Slin Hole"	
Shut-In Pressure, Casing, PSIG 1101	PSIA 1113	Days Shut-In 41	Shut-In Pressure, Tubing, PSIG ----	PSIA ----	
Flowing Pressure: P, PSIG 85	PSIA 97	Working Pressure: Pw, PSIG Calc.	PSIA 123		
Temperature: T, F 59	F, 1.0010	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608	

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

$$Q = (12.365)(97)(1.0010)(.9608)(1.009) = 1164 \text{ MCF/D}$$

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

$$A_{of} \left(\frac{1,238,769}{1,223,640} \right)^n \quad (1.0123)^{.85}(1164) = (1.0104)(1164)$$

$$A_{of} = 1176 \text{ MCF/D}$$

TESTED BY D. E. Mortenson

WITNESSED BY

Calculated by W. D. Dawson



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