

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 13, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 27-5 No. 73
Location 890'S, 1550'E, Sec. 30-27-5	County Rio Arriba State New Mexico
Formation Pictured Cliff	Pool South Blanco
Casing: Diameter 2.875 Set At: Feet 3194	Tubing: Diameter No Tubing Set At: Feet ----
Pay Zone: Feet 3062 To 3140	Total Depth: 3200 Shut In 5-31-62
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .750	Choke Constant: C 12.365	"TUBINGLESS COMPLETION"
Shut-In Pressure, Casing, PSIG 1067	PSIA 1079	Days Shut-In 13
Flowing Pressure, P, PSIG 54	PSIA 66	No Tubing
Temperature, T, F 61	Fr .9990	Working Pressure: Pw, PSIG Calc.
		Flow Through Tubing 83
		Gravity, Fg .9608
		Epv: From Tables 1.009

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

$$Q = (12.365)(66)(.9990)(.9608)(1.009)$$

790

MCF/D

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

$$A_{of} = \left(\frac{1,164,241}{1,157,352} \right)^n (1.0059)^{.85} (790) = (1.0050)(790)$$

Aof

794

MCF/D



WITNESSED BY **D. E. Mortensen**

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Checked by W. D. Dawson

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