

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 17, 1958

Operator El Paso Natural Gas Company		Lease Rincon Unit 103	
Location 18478, 1800E; 16-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5-1/2	Set At: Feet 3245	Tubing Diameter 1-1/4	Set At: Feet 3182
Pay Zone: From 3154	To 3200	Total Depth 3238 c/o 3210	Shut-in 5/18/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-in Pressure, Casing, PSIG 1087	PSIG - 12 - PSIA 1099	Days Shut-in 31	Shut-in Pressure, Tubing PSIG 1088
Flowing Pressure: P PSIG 221	PSIG - 12 - PSIA 233		Working Pressure: Pw PSIG 245
Temperature: °F 68	°F 85		Fpv (From Tables) 1.024
			Gravity .685

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

$$C = 12.365 \times 233 \times .9924 \times .9359 \times 1.024 = 2740 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1210000}{1149975} \right)^n \quad 1.0521^{.85} \times 2740 = 1.0441 \times 2740 =$$

$$A_{of} = 2861 \text{ MCF/D}$$

F. Clark and R. Proctor

WITNESSES

Checked By: M. W. Rischard

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