

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE November 29, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit #90	
Location 1650'N, 990'W, Sec. 35-27-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Wildcatt	
Casing: Diameter 5½	Set At: Feet 2470	Tubing: Diameter 1¼	Set At: Feet 2388
Pay Zone: From 2370	To 2380	Total Depth 2485 c/o 2390	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG 505	12 PSIA 517	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 505
Flowing Pressure: P, PSIG 45	12 - PSIA 57		Working Pressure, Pw, PSIG 49
Temperature: T 56	F .85		Gravity 593
			Fpv (From Tables) 1.002

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_{av}$

$$Q = 14.1605 \times 57 \times 1.0039 \times 1.008 \times 1.002 = 818 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{267,289}{263,568} \right)^{.85} = (1.0141) \times 818 = 1.01198 \times 818$$

$$A_{of} = 828 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____



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