

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 6, 1958

Operator El Paso Natural Gas Company		Lease Hamilton State No. 9	
Location 800'S, 1793'E, Sec. 2-25-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 2829	Tubing: Diameter 1-1/4	Set At: Feet 2740
Pay Zone: From 2720	To 2748	Total Depth: 2837 - c/o 2804	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 3/4		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 538	- 12 - PSIA 550	Days Shut-In 31	Shut-In Pressure, Tubing, PSIG 538
Flowing Pressure: P, PSIG 216	- 12 - PSIA 228		Working Pressure: Pw, PSIG 225
Temperature: T, F 56	n .85		Fpv (From Tables) 1.024
			Gravity 0.669

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

$$Q = 12.365 \times 228 \times 1.0039 \times .9498 \times 1.024 = 2753 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{302,500}{246,331} \right)^{1.2280 \cdot .85} \times 2753 = 1.1910 \times 2753$$

$$A_{of} = 3279 \text{ MCF/D}$$

TESTED BY Richard Proctor and Frank Clark

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

BYC CONSERVATION COMMISSION

ADULTS OFFICE

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