

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 26, 1957

Operator El Paso Natural Gas Company		Lease Huerfano No. 98	
Location 990'S, 990'E, Sec. 16-26-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard Pictured Cliffs	
Casing Diameter 5-1/2	Set At: Feet 2090	Tubing Diameter 1-1/4	Set At: Feet 2032
Pay Zone, From 1996	To 2034	Total Depth 2090	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 567	12 - PSIA 579	Days Shut-In 13	
Flowing Pressure, PSIG 211	12 - PSIA 223		
Temperature, F 62	F .85		

Shut-In Pressure, Tubing, PSIG 567	12 - PSIA 579
Working Pressure: Pw, PSIG 221	12 - PSIA 233
Flow From Tables 1.023	Gravity .676

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

$$Q = 12.365 \times 223 \times 0.9981 \times .9427 \times 1.023 \quad 2654 \quad \text{MCF/D}$$

OPEN FLOW $Aof = Q \left(\frac{P_c^2}{P_r^2 - P_w^2} \right)^n$

$$Aof = \left(\frac{335,241}{280,952} \right)^n \quad 1.1932^{.85} \times 2654 = 1.1620 \times 2654$$

$$Aof = 3084 \quad \text{MCF/D}$$

Witnessed by **Jess Goodwin and Frank Clark**

WITNESSED BY

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THE CONSERVATION COMMISSION

AZTEC SOCIETY

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