

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 31, 1957

Operator El Paso Natural Gas Company		Lease Heaton No. 12	
Location 1550'N, 800'W, Sec. 33-31-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 5 1/2	Set At: Feet 2468	Tubing: Diameter 1 1/4	Set At: Feet 2410
Pay Zone: From 2378	To 2424	Total Depth: c/o - 2435	
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 684	- 12 = PSIA 696	Days Shut-In 16	Shut-In Pressure, Tubing PSIG 684
Flowing Pressure: P PSIG 161	- 12 = PSIA 173		Working Pressure: Pw PSIG 164
Temperature: T 66	F n = 0.85		Fpv (From Tables) Gravity 1.018 0.673

CHOKE VOLUME = Q = C x P₁ x F₁ x F_g x F_{pv}

$$Q = 12.365 \times 173 \times .9943 \times .9463 \times 1.018 \quad 2049 \quad \text{MCF D}$$

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

$$A_{of} = \left(\frac{484,416}{453,440} \right)^n \quad 1.0683^{.85} \times 2049 = 1.0578 \times 2049$$

$$A_{of} = 2167 \quad \text{MCF D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____



L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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