

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 28, 1957

Operator El Paso Natural Gas Company		Lease Three States No. 1-A	
Location 1650'N, 990'W, Sec. 16-26-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 5-1/2	Set At: Feet 2352	Tubing: Diameter 1-1/4	Set At: Feet 2269
Pay Zone: From 2254	To 2282	Total Depth: 2352 - c/o 2290	
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 654	12 - PSIA 666	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 654
Flowing Pressure: P, PSIG 230	12 - PSIA 242		Working Pressure: Pw, PSIG 237
Temperature, T, °F 74	n 0.85		Fpv (From Tables) 1.023
			Gravity 0.665

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 242 \times .9868 \times .9498 \times 1.023 \quad \underline{2869} \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{443,556}{381,555} \right)^n \times 1.1624^{.85} \times 2869 = 1.1367 \times 2869$$

$$Aof \quad \underline{3261} \quad \text{MCF/D}$$

TESTED BY S. V. Roberts and Richard Proctor

WITNESSED BY _____



L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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