

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 16, 1957

Operator El Paso Natural Gas Company		Lease Williams No. 1	
Location 1500'N, 1500'W, Sec. 7-26-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard Pictured Cliff	
Casing: Diameter 5-1/2	Set At: Feet 2020	Tubing: Diameter 1-1/4	Set At: Feet 1903
Pay Zone: From 1886	To 1926	Total Depth: 2020 - c/o 1936	
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 669	- 12 PSIA 681	Days Shut-In 28	Shut-In Pressure, Tubing PSIG 669
Flowing Pressure: P PSIG 119	- 12 PSIA 131		Working Pressure: P _w PSIG 123
Temperature: T 74	F .85		F _{pv} (From Tables) 1.012
			Gravity .690

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

$$Q = 12.365 \times 131 \times .9868 \times .9325 \times 1.012 = 1508 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{463,761}{445,536} \right)^n \cdot 1.0409^{.85} \times 1508 = 1.0296 \times 1508$$

$$A_{of} = 1553 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____



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