

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 22, 1957

Operator El Paso Natural Gas Company		Lease Bolack No. 4-D	
Location 990'N, 990'W, Sec. 1-24-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 2608	Tubing: Diameter 1 1/4	Set At: Feet 2554
Pay Zone: From 2490	To 2558	Total Depth c/o - 2570	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 713	PSIG - 12 - PSIA 725	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG 713
Flowing Pressure: P, PSIG 75	PSIG - 12 - PSIA 87		Working Pressure: P _w , PSIG 93
Temperature: T, °F 62	°F .85		Fpv (From Tables) 1.009
			Gravity .660

CHOKE VOLUME = $Q \cdot C \cdot P_r \cdot F_v \cdot F_g \cdot F_{pv}$

$$Q = 12.365 \times 87 \times .9981 \times .9535 \times 1.009 = 1033 \text{ MCF/D}$$

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

$$Aof = \left(\frac{525,625}{514,600} \right)^n \cdot 1.0214^{.85} \times 1033 = 1.0182 \times 1033$$

$$Aof = 1052 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____

By L. D. Galloway

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OIL CONSERVATION COMMISSION

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