

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

Operator El Paso Natural Gas		Lease San Juan 32-9 Unit No. 56	
Location 1550'S, 1600'W, Sec. 12-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 3822	Tubing Diameter 2"	Set At: Feet 5984
Casing ID 5-1/2	To 5992	Total Depth 6078 - c/o 6010	
Production Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Well Size, Inches .750	Choke Constant, C 12.365		
Shut-In Pressure, Casing, PSIG 960	PSIA 972	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 960
Flowing Pressure, P _i , PSIG 195	PSIA 207		Working Pressure, P _w , PSIG 554
Temperature, T 72	F .750		Spv (From Tables) 1.020
			Gravity .675

$$\text{CHOKE VOLUME} = Q \cdot C \cdot P_i \cdot x \cdot F_v \cdot F_g \cdot F_{pv}$$

$$Q = 12.365 \times 207 \times .9887 \times .9427 \times 1.020$$

2,433

MCF/D

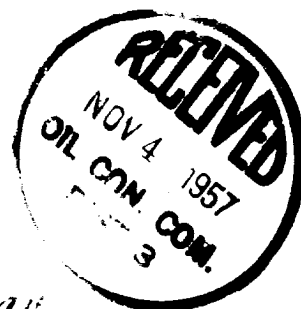
$$\text{OPEN FLOW} = A_{of} \cdot Q \cdot \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{944,784}{624,428} \right)^n \cdot 1.5130^{.75} \times 2433 = 1.3645 \times 2433$$

$$A_{of} = 3,320 \text{ MCF/D}$$

By R. A. Ullrich

Witnessed by _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

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