

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 29, 1958

Operator El Paso Natural Gas		Lease San Juan 28-6 No. 26		OWNO	
Location 9948, 1652W; 1-27-6		County Rio Arriba		State New Mexico	
Formation Mesa Verde		Pool Blanco			
Casing Diameter 7"	Set At: Feet 4857	Tubing Diameter 2"	Set At: Feet 5013		
Pay Zone From 5176	To 5532	Total Depth: c/o 5577	Shut in 11/19/58		
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X		

Casing Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 4788 - 5575	
Shut-In Pressure, Casing, PSIG 970	PSIA 982	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 951
Flowing Pressure: P, PSIG 227	PSIA 239	Working Pressure: P _w , PSIG 566	PSIA 578
Temperature: T, °F 65	n .75	Spv. From Tables 1.023	Gravity 660

$$\text{CHOKE VOLUME} = Q = C \times P_s \times F \times F_g \times F_{ov}$$

$$Q = 12.365 \times 9952 \times 9535 \times 1.023 \times 239$$

$$= 2869 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{964324}{630240} \right)^n$$

$$1.5300^{.75} \times 2869 = 1.3756 \times 2869$$

$$A_{of} = 3947 \text{ MCF/D}$$

TESTED BY D. K. Bryant

WITNESSED BY _____



Lewis D. Galloway
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