

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 18, 1957

Operator El Paso Natural Gas		Lease San Juan 28-5 Unit No. 19	
Location 1550'S, 915'W, Sec. 10-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3775	Tubing: Diameter 2"	Set At: Feet 5946
Pay Zone: From 5443	To 5922	Total Depth: 6009	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365		5-1/2" liner. 3725 - 6003	
Shut-In Pressure, Casing, PSIG 1043	+ 12 = PSIA 1055	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 979	+ 12 = PSIA 991
Flowing Pressure P PSIG 308	+ 12 = PSIA 320		Working Pressure: Pw PSIG 738	+ 12 = PSIA 750
Temperature: T °F 48	n = .75		Fpv (From Tables) 1.039	Gravity 0.678

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = 12.365 \times 320 \times 1.0117 \times .9427 \times 1.039 = 3921 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,113,025}{550,525} \right)^n = 2.0217^{.75} \times 3921 = 1.696 \times 3921$$

$$Aof = 6650 \text{ MCF/D}$$

TESTED BY J. B. Goodwin

WITNESSED BY _____



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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