

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 23, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit # 20	
Location 1800'S, 1175'W, Sec. 30-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5 1/2"	Set At: Feet 5750	Tubing Diameter 2"	Set At: Feet 5635
Pay Zone: From 5116	To 5643	Total Depth 5755 - c/o - 5660	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	Days Shut-in 14	Shut-in Pressure, Tubing 1056	PSIG 1068
Shut-in Pressure, Casing 1070	PSIA 1082		Working Pressure, RW 888	PSIG 900
Flowing Pressure, P 383	PSIG 395		Flow From Taps 1.033	Gravit. .650
Temperature, T 76				

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_g \times F_{gv}$

$$Q = 12,365 \times 395 \times .9850 \times .9608 \times 1.033$$

4775

MCF/D

$$Q_{flow} = Q_{act} \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_{ch}^2} \right)^n$$

$$Q_{flow} = \left(\frac{1,170,724}{360,724} \right)^{.75} \times 4775 = 2.421 \times 4775$$

Act **11,560**

MCF/D

Tom Grant

L. D. Galloway
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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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