

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 27, 1956

Operator El Paso Natural Gas Company		Lease Rincon Unit # 68	
Location 990'S, 990'E, Sec. 27-27-7		County Rio Arriba	State New Mexico
Fracture Pictured Cliffs		Well South Blanco	
Choke Diameter 5 1/2	Set At, Feet 3199	tubing Diameter 2"	Set At, Feet 3164
Well Depth 3110	To 3186	Total Depth 3199 - c/o - 3180	
Sealing Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Constant 0.75	Choke Constant 14.1605		
Shut-In Pressure, Casing 910	PSIG - 12 - PSIA 922	Days Shut-In 10	Shut-In Pressure, Tubing 778
Flowing Pressure, Casing 170	PSIG - 12 - PSIA 182	Working Pressure, Pw 391	PSIG - 12 - PSIA 403
Temperature, T 55	Factor .85	Eqvt From Tables 1.018	Gravity .655 est.

CHOKED VOLUME $Q_c = C \cdot P_1 \times P_2 \times P_3 \times P_4$

$$C = 14.1605 \times 182 \times 1.0048 \times .9571 \times 1.018$$

2523

MCF/D

$$OPEN FLOW Q_{of} = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$Q_{of} = \left(\frac{850,084}{687,675} \right)^{.85} \times 2523 = 1.1977 \times 2523$$

3022	MCF/D
R. A. Ullrich	



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