

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **September 19, 1956**

Operator El Paso Natural Gas Company		Lease Ge-Ele-Gu-Lith E # 1	
Location 990'S, 800'W, Sec. 7-26N-8W		County San Juan	State New Mexico
Production Pictured Cliff		Pool Ballard	
Casing Diameter 5½	Set At: Feet 1990	Tubing Diameter 2	Set At: Feet 1891
Flow Zone: From 1880	To 1910	Total Depth: 1990 - c/o - 1920'	
Production Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches 0.750		Choke Constant, C 14.1605	
Shut-In Pressure, PSIG 612	PSIA 624	Days Shut-In 7	Shut-In Pressure, Tubing 612
Flowing Pressure, P 210	PSIA 222	Working Pressure, Pw 316	PSIG 328
Temperature, °F 69	0.850	Fpv (From Tables) 1.020	Gravity 640

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = 14.1605 \times 222 \times .9915 \times .9682 \times 1.020$ **3078** MCF/D

$$OPEN FLOW = A \times \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_w^2} \right)^n$$

$$A = \left(\frac{389,376}{281,792} \right)^n \times 1.3817^{.75} \times 3078 = 1.3160 \times 3078$$

Acf **4051** MCF/D

Tom Grant



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