

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 12, 1969

Operator El Paso Natural Gas Company		Lease Russell No. 8	
Location 1650N, 1180W, S25-T20N-R8W		County San Juan	State New Mexico
Formation South Blanco		Pool Pictured Cliffs	
Casing: Diameter 2.875	Set At: Feet 2903	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 2804	To 2824	Total Depth: 2903	Shut In 7-14-69
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, 1009	PSIG	+ 12 = PSIA 1021	Days Shut-In 29	Shut-In Pressure, Tubing No tubing	PSIG + 12 = PSIA -----
Flowing Pressure: P _o 159	PSIG	+ 12 = PSIA 171		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 213
Temperature: T = 60 °F		n = 0.85		F _{pv} (From Tables) 1.015	Gravity .640 F _g = .9682

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

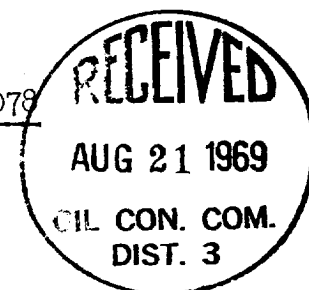
$$Q = 12.365 \times 171 \times 1.000 \times 1.015 \times .9682 = \underline{\quad 2078 \quad} \text{ MCF/D}$$

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

Note: Blew dry gas throughout test.

$$Aof = \left(\frac{1042441}{996967} \right)^n = (1.0456)^{.85} \times 2078 = 1.0386 \times 2078$$

$$Aof = \underline{\quad 2158 \quad} \text{ MCF/D}$$



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TESTED BY _____ TDN
 Calculated
 WITNESSED BY _____ RES

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