

EL PASO NATURAL GAS COMPANY  
C.P. 10000 TEST FORM

DATE SEP 20 1965

Operator	EL PASO NATURAL GAS COMPANY		Lessee	HARRISBURG HOLE NO. 63	
Location	E. 2nd St., 2015, Ave. C, 20, T-27-17, Sec 21		County	San Juan	State
Direction			Altitude	5,000 ft.	
Completion Date			Atmospheric Pressure	At F	
Pay Zone, From	To	Total Depth	Shut-in		
Stimulation Method			Flow Through Tubing	Flow Through Tubing	
Choke Size, inches	A <sub>o</sub> Constant: C				
Station Pressure, Backgnd. P <sub>s</sub>	12 = P <sub>s</sub> A	Flowing Pressure, P <sub>w</sub>	Flowing Pressure, P <sub>w</sub>	12 = P <sub>s</sub> A	Flowing Pressure, P <sub>w</sub>
Flowing Pressure, P <sub>w</sub>	12 = P <sub>s</sub> A		Flowing Pressure, P <sub>w</sub>	12 = P <sub>s</sub> A	
Temperature, °F	A <sub>o</sub>	(From Tables)	A <sub>o</sub>	A <sub>o</sub>	A <sub>o</sub>
$T = 65^{\circ}F$	1.2		1.2	1.2	1.2

$$\text{CHoke Volume} = C \cdot A_o \cdot P_t \cdot \bar{R}_t \cdot F_d \cdot \gamma_{\text{air}}$$

$$A_o = 14.365 \times 1.2 \times 1.2 \times 1.2 \times 1.2 \times 1.2 = 23.6 \text{ MCF/D}$$

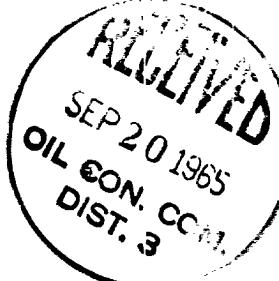
$$\text{OPEN FLOW: } A_o f = C \cdot \frac{P_s}{P_w}$$

$$A_o f = \left( \frac{14.365 \times 1.2}{3,635,195} \right)^{1/2} = (14.365 \times 1.2)^{1/2} = (17.636)^{1/2} =$$

NOTE: Allow heavy oil cut-off and no gas hydrocarbons to be present during test.

$$A_o f = 23.6 \text{ MCF/D}$$

TESTED BY Lewis D. Callaway  
SUPERVISOR El Paso Natural Gas Company



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