

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 27, 1969

Operator El Paso Natural Gas		Lease Pierce No. 6	
Location 1720'N; 1840'E; S-17; T-30N; R-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3039	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 2946	To 2968	Total Depth: 3070	Shut In 5-25-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 711	+ 12 = PSIA 723	Days Shut-In 33	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA ----	
Flowing Pressure: P PSIG 139	+ 12 = PSIA 141		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 145	
Temperature: T = 62 °F	F _t = .9981	n = .85	F _{pv} (From Tables) 1.014	Gravity .670	F _g = .9463

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

$$Q = 12.365 \times 141 \times .9981 \times .9463 \times 1.014 = \underline{1670} \text{ MCF/D}$$

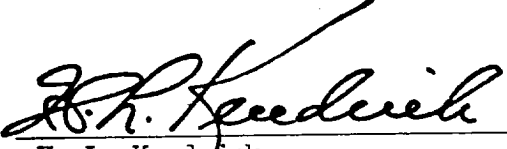
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{522,729}{501,704} \right)^n = (1.0419)^{.85} (1670) = 1.0355 (1670)$$

Note: Blew dry gas for entire test.

$$Aof = \underline{1729} \text{ MCF/D}$$

TESTED BY RH & CRW
 Calculated
 WITNESSED BY RES


 H. L. Kendrick

