

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 4-26-71

Operator El Paso Natural Gas Company		Lease Atlantic A No. 11	
Location 1840'N, 1150'W, S 29, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2778	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2630	To 2660	Total Depth: 2821	Shut In 4-17-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .570		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 951	+ 12 = PSIA 963	Days Shut-In 9	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 126	+ 12 = PSIA 138	Working Pressure: P _w PSIG calculated	+ 12 = PSIA 170		
Temperature: T = 62 °F	Ft = .9981	n = .85	F _{pv} (From Tables) 1.012	Gravity .635	F _g = .9721

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

$$Q = 12.365 \times 138 \times .9981 \times .9721 \times 1.012 = 1675 \text{ MCF/D}$$

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

Note: Well blew dry gas throughout test.

$$Aof = \left(\frac{927369}{898469} \right)^n = 1675(1.0321)^{.85} = 1675(1.0271)$$

$$Aof = 1721 \text{ MCF/D}$$

TESTED BY R. J. Hardy

WITNESSED BY _____



H. L. Kendrick
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