

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 14, 1968

Operator El Paso Natural Gas Company		Lease Horton No. 22	
Location 1575'N, 900'W, Sec. 28, T-31-N, R-11-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Antec	
Casing: Diameter 2.875	Set At: Feet 2733	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2588	To 2622	Total Depth: 2733	Shut In 8-1-68
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 650	+ 12 = PSIA 662	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 102	+ 12 = PSIA 114	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 126		
Temperature: T = 63 °F	n = .85	Fpv (From Tables) 1.011	Gravity .675 Fg = .9427		

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

$$Q = (12.365)(114)(.9971)(.9427)(1.011) = \underline{1340} \text{ MCF/D}$$

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

$$Aof = \left(\frac{440896}{421575} \right)^n = (1340)(1.0458)^{.85} = (1340)(1.0368)$$

Note: The well produced a very light fog throughout the test.

$$Aof = \underline{1392} \text{ MCF/D}$$

TESTED BY Bobby Broughton

Checked

WITNESSED BY Toni D. Grant

H. L. Kendrick
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