

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 16, 1967

Operator El Paso Natural Gas Company		Lease Julander No. 1	
Location 1675'S, 1675'E, Sec. 13, T-29-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2156	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 1996	To 2036	Total Depth: 2156	Shut In 8-4-67
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 673	+ 12 = PSIA 685	Days Shut-In 12	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 218	+ 12 = PSIA 230		Working Pressure: P <sub>w</sub> PSIG Calc.	+ 12 = PSIA 272
Temperature: T = 66 °F F <sub>t</sub> = .9943	n = .85		F <sub>pv</sub> (From Tables) 1.019	Gravity .630 F <sub>g</sub> = .9759

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

$$Q = (12.365)(230)(.9943)(.9759)(1.019) = 2812 \text{ MCF/D}$$

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

$$Aof = \left( \frac{469225}{395241} \right)^n = (2812)(1.1871)^{.85} = (2812)(1.1569)$$

NOTE: The well produced a light spray of dist. and water throughout the test.

$$Aof = 3253 \text{ MCF/D}$$

TESTED BY D. R. Roberts

CALCULATED  
WITNESSED BY H. E. McAnally

CHECKED BY A. J. Loleit



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