

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 16, 1968

Operator El Paso Natural Gas Company		Lease Johnson No. 1-X	
Location 890'N, 1550'E, Sec. 21, T-27-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Fulcher-Huts	
Casing: Diameter 2.375	Set At: Feet 1991	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 1846	To 1892	Total Depth: 2000	Shut In 8-6-68
Stimulation Method Sand Water Free		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 42.1	PSIG	+ 12 = PSIA 440	Days Shut-In 20	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 1.4" Hg	PSIG	+ 12 = PSIA 12.7		Working Pressure: P <sub>w</sub> Calc.	PSIG + 12 = PSIA
Temperature: T = 64 °F	Ft =	n = .85		F <sub>pv</sub> (From Tables)	Gravity .575 Fg =

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

$$Q = 121000 \text{ Pitot Tube Tables PC(7)} = 516 \text{ MCF/D}$$

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

$$Aof = \left( \frac{193600.00}{193430.71} \right)^n = (516)(1.0008)^{.85} = (516)(1.0006)$$

Note: The well produced a heavy spray of water throughout the test period.

$$Aof = 516 \text{ MCF/D}$$

TESTED BY Dannie RobertsCalculated  
WITNESSED BY T. B. Grant

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