

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 5-26-71

Operator El Paso Natural Gas Company		Lease Kah Des Pah No. 1-Y	
Location 1805'S, 250'W, S 18, T26N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2063	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 1892	To 1950	Total Depth: 2063	Shut In 5-19-71
Stimulation Method W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 340	+ 12 = PSIA 352	Days Shut-In 7	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 79	+ 12 = PSIA 91	Working Pressure: P <sub>w</sub> PSIG calculated	+ 12 = PSIA 107		
Temperature: T = 61 °F	n =	Fpv (From Tables) 1.007	Gravity .625	Fg = .9798	
Ft = .9990	.85				

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

$$Q = 12.365 \times 91 \times .9990 \times .9798 \times 1.007 = 1109 \text{ MCF/D}$$

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

Note: Well blew light spray of water and distillates throughout the test.

$$Aof = \left( \frac{123904}{112455} \right)^n = (1.1018)^{.85} (1109) = (1.0859) (1109)$$

$$Aof = 1204 \text{ MCF/D}$$

TESTED BY D. R. Roberts

WITNESSED BY

*H. L. Kendrick*  
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