

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 28, 1967

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 101	
Location 1090'N, 090'W, Sec. 14, T-28-N, R-6-W		County Rio Arriba	State New Mexico
Formation Pekole		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7810	Tubing: Diameter 2.375	Set At: Feet 7519
Pay Zone: From 7500	To 7726	Total Depth: 7810	Shut In 8-17-67
Stimulation Method Perforator Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2806	+ 12 = PSIA 2818	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 2806	+ 12 = PSIA 2818	
Flowing Pressure: P PSIG 230	+ 12 = PSIA 301		Working Pressure: Pw PSIG 1014	+ 12 = PSIA 1026	
Temperature: T = 79 °F	n = Ft = .9822		Fpv (From Tables) 1.022	Gravity .615	Fg = .9877

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365)(301)(.9822)(.9877)(1.022) = 3690 \text{ MCF/D}$$

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

$$Aof = \left(\frac{7941124}{6833448} \right)^n = (3690)(1.1528)^{.75} = (3690)(1.1122)$$

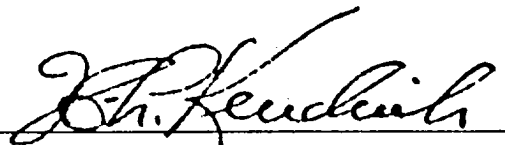
NOTE: The well produced a medium fog of water and dist. throughout the test period.

$$Aof = 4104 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

CALCULATED
WITNESSED BY H. E. McAnally

CHECKED BY T. B. Grant


H. L. Kendrick
