

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 7, 1967

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 126	
Location 177° 800'S, 1700'W, Sec. 16, T-28-N, R-6-W		County Rio Arriba	State N. Mex.
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7910	Tubing: Diameter 2.375	Set At: Feet 7614
Pay Zone: From 7634	To 7834	Total Depth: 7910	Shut In 8-30-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, 2670	PSIG	+ 12 = PSIA 2682	Days Shut-In 8	Shut-In Pressure, Tubing 2674	PSIG + 12 = PSIA 2686
Flowing Pressure: P 301	PSIG	+ 12 = PSIA 313		Working Pressure: P _w 1075	PSIG + 12 = PSIA 1087
Temperature: T = 77 °F	Ft = .9840	n = .75		Fpv (From Tables) 1.036	Gravity .725 Fg = .9097

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

$$Q = (312)(12.365)(.9840)(.9097)(1.036) = \underline{3578} \text{ MCF/D}$$

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

$$Aof = \left(\frac{7214596}{6033027} \right)^n = (3578)(1.1958)^{.75} (1.1433)(3578)$$

NOTE: Blew heavy fog of distillate and water throughout the entire test.

$$Aof = \underline{4091} \text{ MCF/D}$$

TESTED BY J. B. GoodwinCHECKED
WITNESSED BY H. E. McAnally


H. L. Kendrick
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