

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 11, 1967

Operator El Paso Natural Gas Company		Lease EPNG Com E No. 6	
Location 1600'S, 1090'W, Sec. 2, T-29-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3125	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 3054	To 3082	Total Depth: 3125	Shut In 9-29-67
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 624	+ 12 = PSIA 636	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 169		
Temperature: T = 61 °F Ft = .9990	n = .85	Fpv (From Tables) 1.012	Gravity .650	Fg = .9608	

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

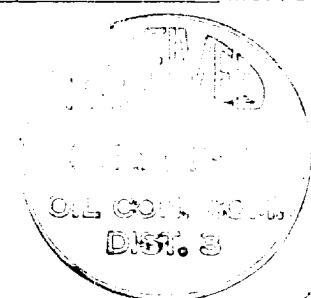
$$Q = (12.365)(134)(.9990)(.9608)(1.012) = \underline{1609} \text{ MCF/D}$$

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

$$Aof = \left(\frac{404496}{375935} \right)^n = (1609)(1.0759)^{.85} = (1609)(1.0642)$$

NOTE: The well blew clear gas throughout the test.

$$Aof = \underline{1712} \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinCALCULATED
WITNESSED BY A. J. Loleit


H. L. Kendrick
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