

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 4-23-71

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 84	
Location 1700'W, 1650'E, S 16, T28N, R5W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7970	Tubing: Diameter 1.990	Set At: Feet 7911
Pay Zone: From 7808	To 7930	Total Depth: 7970	Shut In 4-11-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2587	+ 12 = PSIA 2599	Days Shut-In 12	Shut-In Pressure, Tubing PSIG 2575	+ 12 = PSIA 2587	
Flowing Pressure: F PSIG 316	+ 12 = PSIA 328		Working Pressure: P _w PSIG 525	+ 12 = PSIA 537	
Temperature: T = 76 °F	n = F _t = .9850		F _{pv} (From Tables) 1.024	Gravity .610	F _g = .9918

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

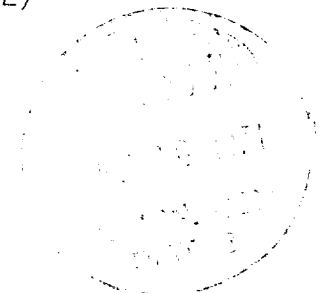
Q = 12.365 x 328 x .9850 x .9918 x 1.024 = 4057 MCF/D

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

Note: Blew heavy fog of water for entire test.

Aof = $\left(\frac{6754801}{6466432} \right)^n = 4057(1.0445)^{.75} = 4057(1.0332)$

Aof = 4192 MCF/D



TESTED BY Jesse B. Goodwin

WITNESSED BY _____

H. L. Kendrick
 H. L. Kendrick