

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 21, 1967

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 72	
Location 1600'S, 1500'W, Sec. 35, T-28-N, R-5-W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.500	Set At: Feet 7930	Tubing Diameter 2.375	Set At: Feet 7586
Pay Zone: From 7654	To 7852	Total Depth: 7930	Shut In 6-7-67
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, PSIG 2725	+ 12 = PSIA 2737	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 2729	+ 12 = PSIA 2741	
Flowing Pressure: P PSIG 281	+ 12 = PSIA 293		Working Pressure: P _w PSIG 1040	+ 12 = PSIA 1052	
Temperature: T = 79 °F F _t = .9822	n = .75		F _{pv} (From Tables) 1.021	Gravity .600 F _g = 1.000	

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

Q = (12.365)(293)(.9822)(1.0000)(1.021) = 3633 MCF/D

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

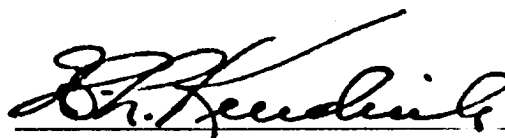
Aof = $\left(\frac{7513081}{6406377} \right)^n = 3633(1.1727)^{.75} = (3633)(1.1268)$

NOTE: Well blew heavy spray of water & distillate throughout the test.

Aof = 4094 MCF/D

TESTED BY D. R. Roberts

CALCULATED
WITNESSED BY H. L. Kendrick


H. L. Kendrick

