

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 1, 1972

Operator El Paso Natural Gas Company		Lease Atlantic D Com J No. 11	
Location 800/N, 1600/W Sec. 16 T 30N, R 10W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Egt</i>		Pool Undesignated <i>Blanco</i>	
Casing: Diameter 2.875	Set At: Feet 3245	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3168	To 3192	Total Depth: 3245	Shut In 7-15-72
Stimulation Method S.W.F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 920	+ 12 = PSIA 932	Days Shut-In 17	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA	
Flowing Pressure: P 62	PSIG + 12 = PSIA 74		Working Pressure: Pw Calculated	PSIG + 12 = PSIA 94	
Temperature: T = 60 °F	Ft = 1.000	n = .85	Fpv (From Tables) 1.007	Gravity .635	Fg = .9721

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

$$Q = 12.365 \times 74 \times 1.000 \times .9721 \times 1.007 = \underline{896} \text{ MCF/D}$$

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

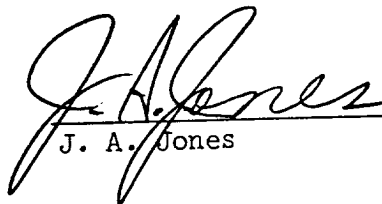
NOTE: Well blew dry gas throughout the test.

$$Aof = \left(\frac{868624}{859788} \right)^n = (896)(1.0103)^{.85} = (896)(1.0087)$$

$$Aof = \underline{904} \text{ MCF/D}$$

TESTED BY C. Rhames

WITNESSED BY _____


J. A. Jones
