

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 6, 1972

Operator El Paso Natural Gas Company		Lease Atlantic D Com M No. 14	
Location 1540'S, 1630'E, Section 32, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3026	Tubing: Diameter Tubingless	Set At: Feet
Pay Zone: From 2908	To 2920	Total Depth: 3026	Shut In 6-27-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 996	+ 12 = PSIA 1008	Days Shut-In 9	Shut-In Pressure, Tubing PSIG Tubingless	+ 12 = PSIA	
Flowing Pressure: P PSIG 288	+ 12 = PSIA 300		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA	
Temperature: T = 65 °F	n = Ft = .9952		Fpv (From Tables) 1.026	Gravity .635	Fg = .9721

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

$$Q = (12.365) (300) (.9952) (.9721) (1.026) = 3682 \text{ MCF/D}$$

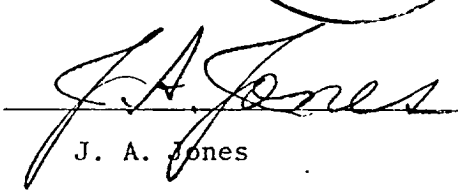
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{1016064}{873180} \right)^n = (3682) (1.1636)^{.85} = (3682) (1.1375) =$$

$$Aof = 4188 \text{ MCF/D}$$

TESTED BY C. D. Rhames

WITNESSED BY



J. A. Jones