

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 7-26-73

Operator El Paso Natural Gas Company		Lease Johnston #12	
Location 1050 1040/S, 1620/W, Sec 9, T-28N, R-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2-7/8	Set At: Feet 3066	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2954	To 2992	Total Depth: 3066	Shut In 7-18-73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 664	+ 12 = PSIA 676	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 48	+ 12 = PSIA 60	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA	75	
Temperature: T= 60 °F Ft= 1.000	n = .85	Fpv (From Tables) 1.003	Gravity .635	Fg = .9721	

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = (12.365) (60) (1.000) (.9721) (1.003) = 723 MCF/D

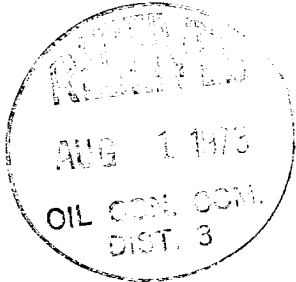
OPEN FLOW = Aof = Q  $\left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$  NOTE: Well produced dry gas.

Aof = Q  $\left( \frac{456976}{451351} \right)^n = 723(1.0125)^{.85} = 723(1.0106)$

Aof = 731 MCF/D

TESTED BY Rhames

WITNESSED BY



William D. Welch  
William D. Welch, Well Test Engineer