

EL PASO NATURAL GAS COMPANY  
**OPEN FLOW TEST DATA**

DATE October 20, 1977

Operator El Paso Natural Gas Company		Lease Atlantic #5-A	
Location Unit 0 Sec. 22, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 7.000	Set At: Feet 3463'	Tubing: Diameter 1 1/4"	Set At: Feet 3158'
Pay Zone: From 3070	To 3146	Total Depth: PB 5750	Shut In 10-6-77
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 708	+ 12 = PSIA 720	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 710	+ 12 = PSIA 722	
Flowing Pressure: P PSIG 196	+ 12 = PSIA 208		Working Pressure: Pw PSIG 203	+ 12 = PSIA 215	
Temperature: T = 61 °F	n = .85		Fpv (From Tables) 1.020	Gravity .650	Fg = .9608

CHOKER VOLUME = Q = C x P<sub>f</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = 12.365 (208) (.9990) (.9608) (1.020) = 2518 MCF/D

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

Aof =  $2518 \left( \frac{521284}{475059} \right)^{.85} = 2518(1.0973)^{.85} = 2518(1.0821)$

Aof = 2725 MCF/D

Note: Well blew dry gas. Well vented 369 MCF of gas to atmosphere during the test.

TESTED BY D. Wright

WITNESSED BY \_\_\_\_\_

*C.R. Wagner*  
 Well Test Engineer

