

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 7-23-73

Operator El Paso Natural Gas Company		Lease Pierce "A" No. 2	
Location 990/S, 1120/W, Sec 13, T-30N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs Ext.		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3112	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2984	To 3038	Total Depth: 3112	Shut In 7-10-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 733	+ 12 = PSIA 745	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG No tubing	+ 12 = PSIA
Flowing Pressure: P, PSIG 116	+ 12 = PSIA 128		Working Pressure: P <sub>w</sub> , PSIG Calculated	+ 12 = PSIA 161
Temperature: T = 62 °F	F <sub>t</sub> = .9981	n = .85	F <sub>pv</sub> (From Tables) 1.011	Gravity .635 F <sub>g</sub> = .9721

KE VOLUME = Q = C × P<sub>t</sub> × F<sub>t</sub> × F<sub>g</sub> × F<sub>pv</sub>

Q = (12.365) (128) (.9981) (.9721) (1.011) = 1553 MCF/D

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

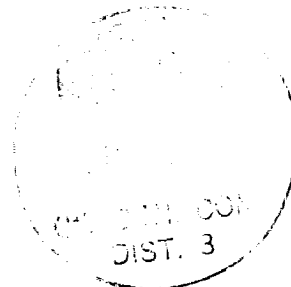
NOTE: The well produced dry gas.

Aof = Q  $\left( \frac{555025}{529104} \right)^{.85} = 1553(1.0490)^{.85} = 1553(1.0415)$

Aof = 1617 MCF/D

TESTED BY William D. Welch

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



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