

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

DATE May 8, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #228	
Location 1810/S, 800/W, Sec. 13, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2766'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2668'	To 2688'	Total Depth: PRTD 2766' 2756'	Shut In 4-17-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12,365		Tubingless Completion		
Shut-In Pressure, Casing, PSIG 750	+ 12 = PSIA	Days Shut-In 21	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	--
Flowing Pressure: P PSIG 190	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA	250
Temperature: T = 62 °F	n = Ft = .9981	.85	F <sub>pv</sub> (From Tables) 1.0230	Gravity .700	F <sub>g</sub> = .9258

CHOKE 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(202) (.9981) (.9258) (1.0230) = 2361 MCF/D

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

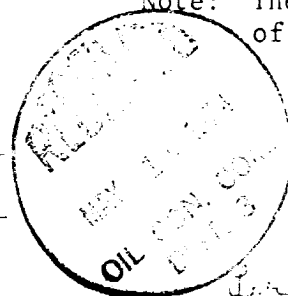
Aof = Q  $\left( \frac{580644}{518144} \right)^n = 2361(1.1206)^{.85} = 2361(1.1016)$

Aof = 2601 MCF/D

Note: The well produced a light fog of water throughout the test.

TESTED BY Johnson

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



*Loren W. Fothergill*  
 Loren W. Fothergill  
 Well Test Engineer