

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 10, 1974

Operator El Paso Natural Gas Company		Lease San Juan 27-4 Unit #67	
Location 1840/N, 1660/E, Sec. 36, T27N, R4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 2.875	Set At: Feet 4247'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 4084	To 4151	Total Depth: PBT 4247' 4236	Shut In 6-27-74
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 1001	+ 12 = PSIA 1013	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 4	+ 12 = PSIA 16	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 21		
Temperature: T = 71 °F	n = .85	Fpv (From Tables) 1.0040	Gravity .680	Fg = .9393	

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

Q = 12.365 (16) (.9896) (.9393) (1.0040) = 185 MCF/D

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

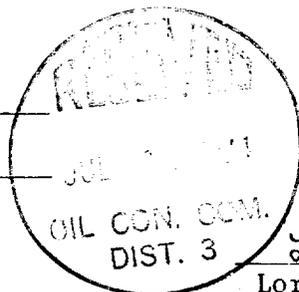
Aof = Q  $\left( \frac{1026169}{1025728} \right)^n = 185(1.004)^{.85} = 185 (1.004)$

Aof = 185 MCF/D

Note: The well blew a dry gas during the test.

TESTED BY D. Norton

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



Loren W. Fothergill  
Loren W. Fothergill  
Well Test Engineer