

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 21, 1958

Operator El Paso Natural Gas		Lease Rincon No. 112	
Location 1090S, 1450E, 20-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 3275	Tubing: Diameter 1-1/4	Set At: Feet 5200
Pay Zone: From 3170	To 3214	Total Depth: c/o 3257 - 3284	Shut-in 5/3/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1073	+ 12 = PSIA 1085	Days Shut-In 18	Shut-In Pressure, Tubing PSIG 1072
Flowing Pressure: P PSIG 123	+ 12 = PSIA 135	Working Pressure: Pw PSIG 128	+ 12 = PSIA 140
Temperature: T 68	F	Fpv (From Tables) 1.015	Gravity .692

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = 12.365 x 135 x .9924 x .9325 x 1.015 = 1567 MCF/D

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

Aof = $\left(\frac{1,177,225}{1,157,625} \right)^n$ = 1567 x (1.0169)^{.85} = 1567 x 1.0143

Aof = 1589 MCF/D

TESTED BY Richard Proctor

WITNESSED BY

Checked By H. L. Kendrick



Lewis D. Galloway
L. D. Galloway