

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8-21-70

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 52 OWWO	
Location 1600 S, 1650 W, S 21 T30N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5800	Tubing: Diameter 2.375	Set At: Feet 5732
Pay Zone: From 5164	To 5738	Total Depth: 5800	Shut In 8-8-70
Stimulation Method S N F		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 662	+ 12 = PSIA 674	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 487	+ 12 = PSIA 499	
Flowing Pressure: P PSIG 173	+ 12 = PSIA 190		Working Pressure: P _w PSIG 517	+ 12 = PSIA 529	
Temperature: T= 71 °F	Ft= .9896	n = .75	Fpv (From Tables) 1.017	Gravity .664	Fg = .9506

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

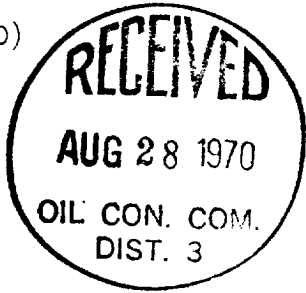
Q = 12.365 x 190 x .9896 x 9506 x 1.017 = 2248 MCF/D

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

Note: Well blew light spray of water and dist. throughout test.

Aof = $\left(\frac{454276}{174435} \right)^n = 2248(2.6042)^{.75} = 2248(2.0500)$

Aof = 4609 MCF/D



TESTED BY D. R. Roberts

WITNESSED BY

H. L. Kendrick