

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 7, 1970

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 78 (OWWO)	
Location 790 N, 990 E, S 25, T30N, R7W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5943	Tubing: Diameter 2.375	Set At: Feet 5793
Pay Zone: From 5167	To 5812	Total Depth: 5943	Shut In 7-24-70
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 3/4" = .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 789	+ 12 = PSIA 801	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 612	+ 12 = PSIA 624	
Flowing Pressure: P PSIG 216	+ 12 = PSIA 228	Working Pressure: P _w PSIG 622	+ 12 = PSIA 634		
Temperature: T = 70 °F	F = .9905	n = .750	F _{pv} (From Tables) 1.022	Gravity .667	F _g = .9484

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

Q = 12.365 x 228 x .9905 x .9484 x 1.022 = 2707 MCF/D

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

Note: well blew intermittent light sprays of dist. & H₂O throughout test.

Aof = $\left(\frac{641601}{239645} \right)^n = (2.6773)^{.75} 2707 = 2.0930 x 2707$

Aof = 5666 MCF/D



TESTED BY R. E. Fielder

WITNESSED BY

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