

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 11-4-70

Operator El Paso Natural Gas Co.		Lease Neil No. 1 (OWWO)	
Location 1050' N, 890' E, S 14, T31N, R11W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5201	Tubing: Diameter 2.375	Set At: Feet 5150
Pay Zone: From 4184	To 5156	Total Depth: 5201	Shut In 10-27-70
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750	Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 840	+ 12 = PSIA 852	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 735	+ 12 = PSIA 747
Flowing Pressure: P PSIG 214	+ 12 = PSIA 226		Working Pressure: P _w PSIG 814	+ 12 = PSIA 826
Temperature: T = 69 °F	F _t = .9915	n = .75	F _{pv} (From Tables) 1.022	Gravity .671 F _g = .9456

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

Q = 12.365 x 226 x .9915 x .9456 x 1.022 = 2678 MCF/D

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

Note: Blew medium-heavy fog of water and light hydrocarbons throughout test.

Aof = $\left(\frac{725904}{43628} \right)^{.75} = (16.6384)^{.75} (2678) = (8.2382)(2678)$

Aof = 22,062 MCF/D



TESTED BY J.B. Goodwin

WITNESSED BY _____

H.L. Kendrick
 H. L. Kendrick