

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8-10-70

Operator El Paso Natural Gas Co.		Lease San Juan 28-6 Unit No. 15 OWWO	
Location 990 S, 990 W, S 10, T28N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.500	Set At: Feet 5740	Tubing: Diameter 2.375	Set At: Feet 5706
Pay Zone: From 5566	To 5886	Total Depth: 5886	Shut In 7-31-70
Stimulation Method GIP		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 694	+ 12 = PSIA 706	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 691	+ 12 = PSIA 703	
Flowing Pressure: P PSIG 226	+ 12 = PSIA 238		Working Pressure: P _w PSIG 597	+ 12 = PSIA 609	
Temperature: T = 65 °F F _t = .9952	n = .75		F _{pv} (From Tables) 1.026	Gravity .700 F _g = .9258	

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

Q = 12.365 x 238 x .9952 x .9258 x 1.026 = 2782 MCF/D

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

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

Aof = $\left(\frac{498436}{127555} \right)^n = (3.9076)^{.75} (2782) = (2.7792)(2782)$

Aof = 7732 MCF/D

TESTED BY D. R. Roberts

WITNESSED BY _____

R. E. Stauffer
R. E. Stauffer

