

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 7, 1958

Operator El Paso Natural Gas		Lease San Juan 27-4 Unit 17 (P)	
Location 810S, 1150W; 29-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 7-5/8	Set At: Feet 3818	Tubing: Diameter 1-1/4"	Set At: Feet 3866
Pay Zone: From 3650	To 3716	Total Depth: 5988	Shut-in 7/17/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 3776 - 5983	
Shut-in Pressure, Casing, PSIG 1018	PSIA 1030	Days Shut-In 21	Shut-in Pressure, Tubing, PSIG 1018
Flowing Pressure: P, PSIG 136	PSIA 148	Working Pressure, Pw, PSIG 145	PSIA 157
Temperature: T, F 64		Fpv: From Tables 1.016	Gravity .704

Initial SIPT (MV) 1127 psig
Final SIPT (MV) 1129 psig

Packer at 3888 Guiberson "shorty"

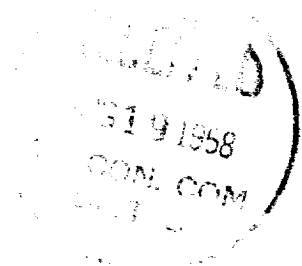
CHOKE VOLUME = Q = C x P_i x F₁ x F₂ x F_{pv}

Q = 12.365 x 148 x .9962 x .9258 x 1.016 = 1715 MCF/D

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

Aof = $\left(\frac{1060900}{1036251} \right)^n$ 1.0237^{.85} x 1715 = 1.0201 x 1715

Aof = 1749 MCF/D



TESTED BY R. R. Davis

WITNESSED BY _____

Lewis D. Galloway
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