

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 30, 1958

Operator El Paso Natural Gas		Lease San Juan 28-6 Unit 79 (M)	
Location 1180S, 1090W; 11-27-6		County Rio Arriba State New Mexico	
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At: Feet 5393	Tubing Diameter 2"	Set At: Feet 5252
Pay Zone: From 4654	To 5320	Total Depth: 5395	Shut-in 7/20/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4"	Choke Constant: C 12.365	5-1/2 liner 3155-5393
Shut-In Pressure, Casing, PSIG 889 (PC)	PSIG - 12 - PSIA 901	Days Shut-In 10
Shut-In Pressure, Tubing, PSIG 1015 (MV)	PSIG - 12 - PSIA 1027	
Flowing Pressure: P, PSIG 302	PSIG - 12 - PSIA 314	Working Pressure: Pw, PSIG Calc.
Temperature: T, F 68	Gravity .75	Spv. From Tables 1.036
		.70

Initial SIPT (PC) 889 psig
Final SIPC (PC) 894 psig

Packer at 3268 (Heavy Mist)

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 314 \times .9924 \times .9258 \times 1.036$$

3695 MCF/D

OPEN FLOW Aof $Q \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$

Aof $\left(\frac{1054729}{675273} \right)^n$

$$1.5619^{.75} (3695 = 1.3980^{.75} \times (3695))$$

Aof 5166 MCF/D

TESTED BY M. W. Rischard

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

