

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 20, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 29-5 No. 21	
Location 1650'N, 1550'E, Sec. 8-29N-5W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.50	Set At: Feet 5945	Tubing: Diameter 1 1/4"	Set At: Feet 5886
Pay Zone: From 5783	To 5864	Total Depth: 5945	Shut In 7-13-62
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1042	PSIG + 12 = PSIA 1054	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1016
Flowing Pressure: P 420	PSIG + 12 = PSIA 432	Working Pressure: Pw 486	PSIG + 12 = PSIA 498
Temperature: T 70 F	Ft .9905	Fpv (From Tables) 1.039	Gravity .640 Fg .9682

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(432)(.9905)(.9682)(1.039)$$

5322

MCF/D

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

$$Aof \left(\frac{1,119,364}{871,360} \right)^n (1.2846)^{.75} (5322) = 1.2065 \times 5322$$

Aof **6421**

MCF/D



NOTE: Blew heavy spray of distillate and water throughout test.

TESTED BY **Dannie R. Roberts**

WITNESSED BY

Checked by: H. L. Kendrick

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