

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 8, 1961**

Operator El Paso Natural Gas Company		Lease Rincon No. 162	
Location 1650'S, 1850'W, Sec. 27-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing Diameter 2-7/8"	Set At: Feet 3285	Tubing Diameter No Tubing	Set At: Feet ---
Pay Zone: From 3168	To 3212	Total Depth: 3261	Shut In 10-27-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 1025	PSIG - 12 - PSIA 1037	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG No Tubing	PSIG - 12 - PSIA ---	
Flowing Pressure, P, PSIG 77	PSIG - 12 - PSIA 89		Working Pressure: Pw, PSIG Calc. 113	PSIG - 12 - PSIA ---	
Temperature 56 F			Fov (From Tables) 1.009	Gravity Est. .685	Fg .9359

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

$C = (12.365)(89)(1.0039)(.9359)(1.009)$

1043 MCF/D

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

$Q = \left(\frac{1,075,369}{1,062,600} \right)^n$

$(1.0120)^{.85}(1043) = (1.0102)(1043)$

$Q = 1054 \text{ MCF/D}$

NOTE: Blew medium mist throughout test.

TESTED BY **D. E. Mortensen**

WITNESSED BY

Checked by: **T. B. Grant**

Lewis D. Galloway
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