

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 5, 1962

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 179	
Location 1490'N, 1540'E, Sec. 16-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4-1/2"	Set At: Feet 7819	Tubing: Diameter 2.375	Set At: Feet 7655
Flow Zone: From 7519	To 7692	Total Depth: 7819	Shut In 9-21-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2618	PSIG - 12 PSIA 2630	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 2633
Flowing Pressure: P, PSIG 237	PSIG - 12 PSIA 249		Working Pressure: P _w , PSIG 764
Temperature: 71 F	n .9896		F _{pv} (From Tables) 1.022
	.75		Gravity .650 F _g .9608

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

$$Q = (12.365)(249)(.9896)(.9608)(1.022)$$

2992

MCF/D

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

Aof $\left(\frac{6,996,025}{6,393,849} \right)^n$

$$(2992)(1.0941)^{.75} = (2992)(1.0698)$$



NOTE: Slugging water throughout test.

Aof **3201**

MCF/D

TESTED BY **T. B. Grant**

WITNESSED BY

Checked by **W. D. Dawson**

Lewis D. Galloway
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