

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE November 8, 1961

Operator El Paso Natural Gas Company		Lease Rincon No. 163	
Location 1180'S, 800'W, Sec. 29-27N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Profr. So. Blanco	
Casing Diameter 2-7/8"	Set At: Feet 3343	Tubing Diameter No Tubing	Set At: Feet ---
Pay Zone: From 3188	To 3238	Total Depth 3353 c/o 3326	Shut In 10-27-61
Stimulant or 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 951	PSIG - 12 - PSIA 963	Days Shut-in 12	Shut-In Pressure, Tubing No Tubing	PSIG - 12 - PSIA ---	
Flowing Pressure, P 103	PSIG - 12 - PSIA 115		Working Pressure: P _w Calc.	PSIG - 12 - PSIA 146	
Temperature: 59 F	1.0010	.85	Exp. from Tables 1.012	Gravity Est. .685	Fg .9359

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_p$

$$Q = (12.365)(115)(1.0010)(.9359)(1.012)$$

1348 MCF/D

$$\text{OPEN FLOW } A_{of} = \left(\frac{P_c^2}{P_w^2} \right)^n$$

$$A_{of} = \left(\frac{927,369}{906,053} \right)^n (1.0235)^{.85} (1348) = (1.0200)(1348)$$

A_{of} 1375 MCF/D

TESTED BY D. H. Mortensen

WITNESSED BY

Checked by: T. B. Grant


Lewis D. Galloway
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