

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

RE-CORRECTED COPY (12-3-62)

DATE October 23, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 133	
Location 1600'S, 1650'W, Sec. 14-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5.500	Set At: Feet 7790	Tubing: Diameter 2.375	Set At: Feet 7716
Pay Zone: From 7552	To 7746	Total Depth: 7791 C/O 7758	Shut In 10-8-62
Stimulation Method Sand Water Frec.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		Baker Model "EG" Packer at 5665	
Shut-In Pressure, Casing, PSIG Packer	12 PSIA	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 2129	12 PSIA 2141	
Flowing Pressure, P, PSIG 320	12 PSIA 332		Working Pressure, P _w , PSIG Calc.	12 PSIA 726	
Temperature: T 71 F	F ₁ .9896		F _{pv} (From Tables) 1.048	Gravity .780	F _g .8771

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365)(332)(.9896)(.8771)(1.048)$$

3734

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{4,583,881}{4,056,805} \right)^n = (1.1299)^{.75} (3734) = (1.0960)(3734)$$

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

A_{of} 4092

MCF/D

TESTED BY **Dannie R. Roberts**

WITNESSED BY

Checked by W. D. Dawson

Lewis D. Galloway
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