

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 12, 1961

Operator El Paso Natural Gas Co.		Lease Jicarilla "F" No. 11	
Location 1800'S, 1750'E, Sec. 16-26N-5W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco PC	
Casing Diameter 2-7/8"	Set At: Feet 3220	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3110	To 3176	Total Depth: 3238 c/o 3213	Shut-In 5-31-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1010	12 PSIA	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG No Tubing	12 PSIA	
Flowing Pressure: P, PSIG 188	12 PSIA	Working Pressure: P _w Calc.	200		
Temperature: 56		F _{pv} (From Tables) 1.020	Gravity .660	F _g .9535	
	Fr 1.0039				

$$\text{CHOKE VOLUME } Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(200)(1.0039)(.9535)(1.020)$$

2415

MCF/D

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

$$Aof = \left(\frac{1,044,484}{979,459} \right)^n (1.0663)^{.85} (2415) = (1.0560)(2415)$$

$$Aof = 2550 \text{ MCF/D}$$



TESTED BY **Jesse B. Goodwin**

NOTE: Blew Clean Gas

WITNESSED BY

Checked by: W. D. Dawson

A. J. Dudenhofer
A. J. Dudenhofer