

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **September 10, 1958**

Operator El Paso Natural Gas		Lease San Juan 30-4 Unit 20	
Location 800S, 1550E; 22-30-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool East Blanco	
Casing Diameter 5-1/2	Set At: Feet 4512	Tubing Diameter 2"	Set At: Feet 4451
Pay Zone, From 4176	To 4450	Total Depth 4512 c/o 4485	Shut-in 9/3/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	Days since In 7
Shut-in Pressure, Casing 817	PSIG 12 PSIA 829	Shut-in Pressure, Tubing 788
Flowing Pressure, C 215	PSIG 12 PSIA 227	Working Pressure, P _w 578
Temperature, T 65	F .85	Flow From Tables 1.022
		Gravity .670

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times .227 \times .9952 \times .9463 \times 1.022 \quad 2702 \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{687241}{339141} \right)^n$$

$$2.0264^{.85} \times 2702 = 1.821 \times 2702$$

$$Aof = 4920 \quad \text{MCF/D}$$

TESTED BY **Frank M. Clark**

WITNESSED BY _____

Checked By **M. W. Rischard**

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO FURNISHED	
Operator		
Santa Fe	1	
Protection Office		
State Land Office		
U. S. G. S.	1	
Transporter	1	✓