

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **February 6, 1958**

Operator El Paso Natural Gas		Lease San Juan 28-7 Unit No. 83	
Location 1501'N, 1511'W, Sec. 5-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 3405	Tubing: Diameter 1-1/4	Set At: Feet 3037
Pay Zone: From 3306	To 3340	Total Depth: 3415 - a/e 3360	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1006	- 12 = PSIA 1018	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1006	- 12 = PSIA 1018	
Flowing Pressure: P, PSIG 88	- 12 = PSIA 100		Working Pressure: P _w , PSIG 96	- 12 = PSIA 108	
Temperature: T, °F 55	n = 85		F _{pv} (From Tables) 1.007	Gravity 0.625	

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$$

$$Q = 12.365 \times 100 \times 1.0048 \times .9798 \times 1.007 = 1226 \text{ MCF/D}$$

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

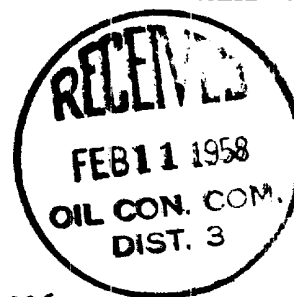
$$Aof = \left(\frac{1,036,324}{1,024,660} \right)^n = 1.0113^{.85} \times 1226 = 1.0096 \times 1226$$

$$Aof = 1238 \text{ MCF/D}$$

TESTED BY **Frank Clark**

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

27 DEC 1964

OFFICE

No. Collection

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