

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 19, 1958

Operator El Paso Natural Gas Co.		Lease San Juan 28-7 Unit 90	
Location 1112'N, 1650'W, Sec. 21-27-7		County Rio Arriba	State N. M.
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing: Diameter 5-1/2"	Set At: Feet 3045'	Tubing: Diameter 1-1/4"	Set At: Feet 2988'
Pay Zone: From 2934'	To 3004'	Total Depth: 3046'	
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 997	- 12 = PSIA 1009	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 997
Flowing Pressure: P PSIG 60	- 12 = PSIA 72	Working Pressure: P _w PSIG 62	- 12 = PSIA 74
Temperature: T 57	F .85	F _{pv} (From Tables) 1.007	Gravity .647

CHOKE VOLUME : Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 12.365 \times 72 \times 1.0029 \times .9645 \times 1.007 = \underline{867} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1018081}{1012605} \right)^n = (1.0054) \cdot .85 \times 867 = 1.0046 \times 867 = 871$$

Aof 871 MCF/DTESTED BY Frank M. Clark

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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DISTRICT OFFICE

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