

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 15, 1961**

Operator El Paso Natural Gas Company		Lease San Juan 28-7 No. 126	
Location 990'S, 1040'W, Sec. 1-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4-1/2	Set At: Feet 7329	Tubing: Diameter 2-3/8	Set At: Feet 7263
Pay Zone: From 7055	To 7254	Total Depth: 7330 C/O 7298	Shut In 11-4-61
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	Days Shut-in 11
Shut-In Pressure, Casing, PSIG 2607	PSIA 2619	Shut-In Pressure, Tubing, PSIG 2458
Flowing Pressure: P, PSIG 264	PSIA 276	Working Pressure: P _w , PSIG 1028
Temperature, F 74	F _g .9868	F _g (From Tables) 1.026
	.75	Gravity .667
		F _g .9498

CHOKED FLOW $Q = C \times P_1 \times F_g \times F_{gv}$

$$Q = (12.365)(276)(.9868)(.9498)(1.026)$$

3282

MCF/D

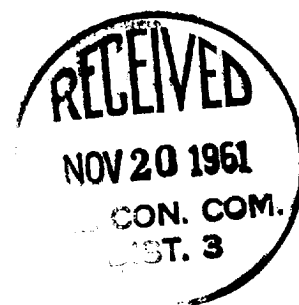
OPEN FLOW $A_{of} = Q \left(\frac{P_c^2}{P_w^2} \right)^n$

$$A_{of} = \left(\frac{6,859,161}{5,777,561} \right)^n$$

$$(3282)(1.1872)^{.75} = (3282)(1.1373)$$

A_{of} **3733**

MCF/D



NOTE: After 5 minutes unloaded big slug of fluid, then blew fair mist.

PREPARED BY **D. E. Mortensen**

WITNESS

Calculated by: **W. D. Dawson**

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