

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 25, 1961**

Operator El Paso Natural Gas Company		Lease Jicarilla No. 183-2	
Location 1190'S, 990'W, Sec. 27-23N-3W		County Sandoval	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Well Name 2-7/8	Set At: Feet 3042	Tubing Casing No Tubing	Set At: Feet ----
Day: Year: From 2970	To 2998	Total Depth 3007	Shut in 10-13-61
Completion 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 715	PSIG - 12 - PSIA 727	Shut-In Pressure, Tubing, PSIG No Tubing	PSIG - 12 - PSIA ----
Flowing Pressure: P, PSIG 114	PSIG - 12 - PSIA 126	Working Pressure: Pw, PSIG Calc.	PSIG - 12 - PSIA 159
Temperature 59	Fr 1.0010	Fr (From Tables) 1.011	Gravity .650
	.85		Fr .9608

$$\text{CHOKE VOLUME } Q = C \times P_c \times F_p \times F_g \times F_v$$

$$Q = (12.365)(126)(1.0010)(.9608)(1.011)$$

1515

MCF/D

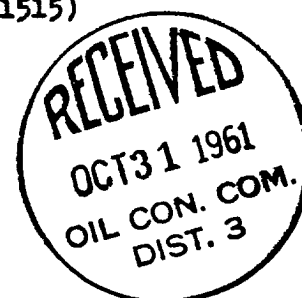
$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{528,529}{503,248} \right)^n$$

$$(1.0502)^{.85}(1515) = (1.0426)(1515)$$

Aof **1580**

MCF/D



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Checked by:

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