

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 5-11-70

Operator El Paso Natural Gas Co.		Lease Klein No. 15	
Location 1840N, 1800E, S33-T26N, R6W		County RA	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.75	Set At: Feet 3960	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3774	To 3880	Total Depth: 2960	Shut In 5-2-70
Stimulation Method SWP		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 851	+ 12 = PSIA 863	Days Shut-In 2	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 95	+ 12 = PSIA 97	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 127		
Temperature: T = 60 °F	F _t = 1.0000	n = .75	F _{pv} (From Tables) 1.009	Gravity .650	F _g = .9608

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(97)(1.0000)(.9608)(1.009) = 1163 \text{ MCF/D}$$

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

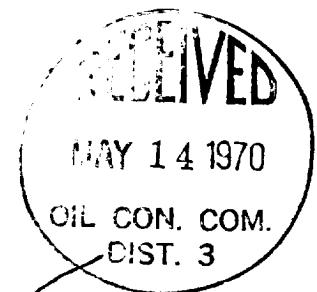
Note: Well blew a light spray of water and distillates throughout test.

$$Aof = \left(\frac{744769}{728640} \right)^n = (1.0221)^{.75}(1163) = (1.0166)(1163)$$

$$Aof = 1182 \text{ MCF/D}$$

TESTED BY Dan Roberts

WITNESSED BY



H. L. Kendrick
H. L. Kendrick