

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE

Operator		Lease	
Location		County	State
Formation		Pool	
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
Pay Zone: From	To	Total Depth:	Shut In
Stimulation Method		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG		+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA
Flowing Pressure: P PSIG		+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA
Temperature: T = °F		n =	Fpv (From Tables)	Gravity	F _g =

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

$$Q = (10.365)(338)(1.996)(1.0305)(1.036) = 309 \text{ MCF/D}$$

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

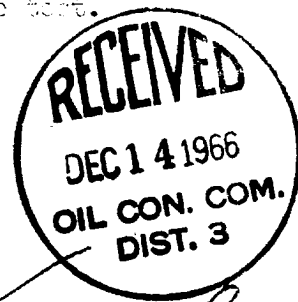
$$Aof = \left(\frac{1000000}{3037871} \right)^n = (309)(1.8353)^{.75} = (309)(1.2727)$$

NOTE: Hole plug of heavy hydrocarbons after app. 3 min. and continued to release light spray of heavy hydrocarbons throughout the test.

$$Aof = 4698 \text{ MCF/D}$$

TESTED BY

WITNESSED BY



J. R. Kendrick
H. E. Kendrick