

EL PASO NATURAL GAS COMPANY  
**OPEN FLOW TEST DATA**

DATE June 4, 1957

Operator <b>El Paso Natural Gas</b>		Lease <b>Barron Kidd 1-FX</b>	
Location <b>990'S, 990'W, Sec. 28-30-6</b>		County <b>Rio Arriba</b>	State <b>New Mexico</b>
Formation <b>Mesa Verde</b>		Pool <b>Blanco</b>	
Casing Diameter <b>5 1/2</b>	Set At: Feet <b>5657</b>	Tubing Diameter <b>2</b>	Set At: Feet <b>5555</b>
Pay Zone: From <b>5074</b>	To <b>5540</b>	Total Depth <b>5635 - c/o 5560</b>	
Stimulation Method <b>Sand Water Frac.</b>		Flow Through Casing	Flow Through Tubing <b>X</b>

Choke Size, Inches <b>0.750</b>	Choke Constant: C <b>12.365</b>					
Shut-In Pressure, Casing <b>1079</b>	PSIG	12 = PSIA <b>1091</b>	Days Shut-In <b>11</b>	Shut-In Pressure, Tubing <b>1070</b>	PSIG	12 = PSIA <b>1082</b>
Flowing Pressure: P <b>376</b>	PSIG	12 = PSIA <b>388</b>	Working Pressure: Pw <b>859</b>		PSIG	12 = PSIA <b>871</b>
Temperature: T <b>82</b>	F	n <b>0.750</b>	Fv: From Tables <b>1.029</b>		Gravity <b>.620</b>	

CHOKE VOLUME  $Q_c = C \times R \times F_c \times F_g \times F_v$

$Q_c = 12.365 \times 388 \times .9795 \times .9837 \times 1.029 \dots 4757 \dots \text{MCF/D}$

OPEN FLOW  $Q_{of} = Q_c \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

$Q_{of} = \left( \frac{1,190,281}{431,640} \right)^n \cdot 2.757^{.75} \times 4757 = 2.138 \times 4757$

$Q_{of} = 10,170 \dots \text{MCF/D}$

TESTED BY Tom Grant

WITNESSED BY

*L. D. Galloway*  
 L. D. Galloway



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