

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE November 28, 1960

Operator <b>El Paso Natural Gas Company</b>	Lease <b>Florance Pool Unit No. 1</b>
Location <b>1550'S, 1825'W, 18-27N-8W</b>	County <b>San Juan</b> State <b>New Mexico</b>
Formation <b>Mesa Verde</b>	Pool <b>Blanco MV</b>
Casing: Diameter: <b>5-1/2"</b> Set At: Feet <b>4459</b>	Tubing: Diameter: <b>1-1/4"</b> Set At: Feet <b>4639</b>
Pay Zone: From <b>4556</b> To <b>4666</b>	Total Depth: <b>4760 c/o 4680</b> Shut In <b>11-17-60</b>
Stimulation Method <b>Sand/Water Frac.</b>	Flow Through Casing <b>X</b> Flow Through Tubing

Choke Size, Inches <b>.75</b>	Choke Constant: C <b>12.365</b>	<b>4" Hydril Liner from 4389 - 4759</b>
Shut-In Pressure, Casing, PSIG <b>1047</b>	PSIA <b>1059</b> Days Shut-In <b>11</b>	Shut-In Pressure, Tubing, PSIG <b>1047</b> PSIA <b>1059</b>
Flowing Pressure: P (Csg) <b>428</b>	PSIA <b>440</b>	Working Pressure: Pw (Tbg) <b>479</b> PSIA <b>491</b>
Temperature: T <b>80</b> F F <sub>v</sub> <b>.9813</b>	<b>.75</b>	F <sub>pv</sub> (From Tables) <b>1.038</b> Gravity <b>.650</b> F <sub>g</sub> <b>.9608</b>

CHOKE VOLUME  $Q = C \times P_c \times F_v \times F_g \times F_{pv}$

$$Q = (12.365)(440)(.9813)(.9608)(1.038) = 5325 \text{ MCF/D}$$

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

$$Aof = \left( \frac{1,121,481}{880,400} \right)^n (1.2738)^{.75} (5325) = (1.1990)(5325)$$

Aof **6385** MCF/D

TESTED BY C. R. Wagner

WITNESSED BY

Calculated by W. D. Dawson

*Lewis D. Galloway*  
Lewis D. Galloway

