

SELF-PRODUCING NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **October 19, 1959**

Operator Benson-Montin-Greer		Lease Douthit No. 1	
Location 1190N, 790E; 5-27-13		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 5-1/2	Set At Feet 6088	Tubing Diameter 2"	Set At Feet 5963
Pay Zone From 5964	To 6024	Total Depth 6088 c/o 6046	Shut-in: 10/12/59
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, inches .75	Choke Constant, C 12.365	Shut-in Pressure, Casing 1781	Shut-in Pressure, Tubing 1682
Flowing Pressure, P ₁ 88	Flowing Pressure, P ₂ 100	Working Pressure, P _w 431	Gravity .631
Temperature, T ₁ 81	Temperature, T ₂ .75	Flow From Tubing 1.006	

CHOKE VOLUME $Q = C \times P_1 \times \left(\frac{P_1^2 - P_2^2}{P_1} \right)^{.75} \times F_g \times F_v$

$$Q = 12.365 \times 100 \times .9804 \times .9759 \times 1.006$$

1190 MCF/D

OPEN FLOW $Q = C \times \left(\frac{P_1^2 - P_2^2}{P_1} \right)^{.75}$

$$Q = \left(\frac{3,214,849}{3,018,600} \right)^{.75}$$

$$1190 \times 1.0650^{.75} = 1190 \times 1.0484$$

Ref **1248**

MCF/D

TESTED BY **T. B. Grant**

ANNULATED BY **Virgil Stoabs (EMG)**



Lewis D. Galloway
L. D. Galloway

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