

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 3, 1961

Operator J. Glenn Turner		Lease Turner Nye 8-2	
Location 1610'N, 1680'E, Sec. 8-29-10		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5-1/2	Set At: Feet 6817	Tubing: Diameter 2-3/8 O.D.	Set At: Feet 6741
Pay Zone: From 6612	To 6719	Total Depth: 6818	Shut In 1-27-61
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1938	12 - PSIA	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1838
Flowing Pressure: P, PSIG 253	12 - PSIA		Working Pressure: Pw, PSIG 779
Temperature: 81	n	Fpv (From Tables) 1.022	Gravity .640
F _i .9804	F _g .75		F _g = .9682

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

$$Q = (12.365)(265)(.9804)(.9682)(1.022) = 3179 \text{ MCF/D}$$

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

$$\text{Aof} \left(\frac{3,802,500}{3,176,819} \right)^n = 3179 \times (1.1969)^{.75} = 3179 \times 1.1442$$

$$\text{Aof} = 3637 \text{ MCF/D}$$



TESTED BY **T. B. Grant**

WITNESSED BY **Virgil Stoabs**

BLEW HEAVY SPRAY OF WATER THROUGH TEST.

Lewis D. Galloway
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