

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 20, 1958

Operator Benson-Montin-Greer		Lease Schultz State No. 10-2	
Location 1650S, 990E; 2-29-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2"	Set At: Feet 2470	Tubing: Diameter 1"	Set At: Feet 2421
Pay Zone: From 2353	To 2407	Total Depth: 2471 & 2427	
Stimulation Method Sand-Water Plac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 748	12 PSIA 760	Days Shut-In 59	Shut-In Pressure, Tubing, PSIG 747
Flowing Pressure: P, PSIG 32	12 PSIA 44		Working Pressure: Pw, PSIG 33
Temperature: T 61			Fpv (From Tables) 1.003
	.85		Gravity .647

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(44)(.9990)(.9645)(1.003) = 526 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{577,600}{575,575} \right)^n$$

$$(1.0035) \cdot .85 (526) = (1.0030) (526)$$

$$A_{of} = 528 \text{ MCF/D}$$



TESTED BY S. V. Roberts

WITNESSED BY Virgil Stoabs

CC: Virgil Stoabs (4)

L. D. Galloway
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