

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE February 3, 1958

Operator El Paso Natural Gas Company		Lease San Juan 27-4 Unit No. 13 (P)	
Location 1800'N, 1500'E, Sec. 20-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3782	Tubing: Diameter 1-1/4	Set At: Feet 3660
Pay Zone: From 3640	To 3645	Total Depth: 5975 - c/o 5950	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner. 3735 - 5972	
Shut-In Pressure, Casing, PSIG PC 888	12 - PSIA 900	Days Shut-In 24	Shut-In Pressure, Tubing, PSIG PC 881	12 - PSIA 893	
Flowing Pressure: P, PSIG 158	12 - PSIA 170		Working Pressure: Pw, PSIG 175	12 - PSIA 187	
Temperature: T 57	0.85		Fpv (From Tables) 1.021	Gravity 0.722	

Initial SIPT (MV) - 961 psig; final - 964 psig. 2" at 5896. Packer at 3769.

CHOKE VOLUME = Q = C x P_i x F_v x F_g x F_p

$$Q = 12.365 \times 170 \times 1.0029 \times .9129 \times 1.021 \quad 1965 \quad \text{MCF/D}$$

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

$$A_{of} \left(\frac{810,000}{775,031} \right)^n = 1.0451^{.85} \times 1965 = 1.0382 \times 1965$$

$$A_{of} \quad 2040 \quad \text{MCF/D}$$

TESTED BY S. V. RobertsWITNESSED BY Tony King

cc: E. S. Oberly (6)



L. D. Galloway
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AZTEC DIRECT OFFICE

No. 1. *Ameghinella* 3

Table 1. *Continued*

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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FILE 1 ✓

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