

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 10, 1958

Operator El Paso Natural Gas Company		Lease Schwerdtfeger No. 11A (M)	
Location 1710N, 1601E, 6-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 4787	Tubing: Diameter 2"	Set At: Feet 5074
Pay Zone: From 4986'	To 5016'	Total Depth: 5140'	Shut-In: 2-14-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure: Casing, PSIG 807 (PC)	PSIA 819	Days Shut-In 24	Shut-In Pressure: Tubing, PSIG 1024 (MV)
Flowing Pressure: P, PSIG 328	PSIA 340		Working Pressure: Pw, PSIG (Calc.) 665
Temperature: T, F 63	F .750		Fpv (From Tables) 1.040
			Gravity .707

Final SIPC (PC) = 809 PSIG, 1-1/4" at 2698.

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

$$Q = 12.365 (340) (.9971) (.9225) (1.040) = 4,022 \text{ MCF D}$$

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

$$A_{of} = \left(\frac{1073296}{631071} \right)^n (1.7007)^{.75} (4022) = (1.4890) (4022)$$

$$A_{of} = 5989 \text{ MCF D}$$

TESTED BY **R. R. Davis**

WITNESSED BY



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