

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 28, 1957

Operator El Paso Natural Gas Company		Lease Florance No. 6-C	
Location 1750'S, 990'W, Sec. 30-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2296	Tubing: Diameter 2"	Set At: Feet 4470
Pay Zone: From 4342	To 4580	Total Depth: 4610 - c/o 4590	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	5-1/2" liner, 2040 - 4605	
Shut-In Pressure, Casing: PSIG PC 817	- 12 - PSIA 829	Days Shut-In 10	Shut-in Pressure, Tubing PSIG - 12 - PSIA MV 1082 1094
Flowing Pressure: P PSIG 437	- 12 - PSIA 449	Working Pressure: P _w PSIG - 12 - PSIA Calculated 844	
Temperature: F 72	F ₀ 0.75	Fpv (From Tables) 1.054	Gravity .715

Initial SIPC (PC) 817 psig; final - 818 psig. 1-1/4 at 2189. Packer at 2313.
Sleeve at 2217 (upside down)

CHOKE VOLUME = Q C x P_c x F_c x F_g x F_{pv}

$$Q = 12,365 \times 449 \times .9887 \times .9161 \times 1.054 = 5300 \text{ MCF-D}$$

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

$$Aof \left(\frac{1,196,336}{494,500} \right)^n = 2.4702^{.75} \times 5300 = 1.970 \times 5300$$

Aof 10,441 MCF-D

BY S. V. Roberts

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