

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 28, 1958

Operator El Paso Natural Gas Company		Lease Bolack No. 11-C (M)	
Location 1800S, 1550W; 28-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 4386	Tubing: Diameter 2"	Set At: Feet 4623
Pay Zone: From 4498	To 4652	Total Depth 4697 c/o 4672	Shut-in 2-23-58
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 4301-4696
Shut-In Pressure, Casing, PSIG (PC) 827	12 = PSIA 839	Days Shut-In 33
Flowing Pressure: P PSIG 170	12 = PSIA 182	Shut-In Pressure, Tubing PSIG (MV) 1109
Temperature: T 64	F _g = 0.75	Working Pressure: P _w PSIG (Calc.) 341
	F _v From Tables 1.021	Gravity 0.709

Initial SIPC (PC) 827
Final SIPC (PC) 832

1-1/4" at 2223

Pkr. at 4343

CHOKE VOLUME - Q = C x P_cⁿ x F_g x F_v

$$Q = (12.365) (182) (.9962) (.9225) (1.021) = 2,112 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,256,641}{1,140,360} \right)^n (1.1019)^{.75} (2112) = (1.0755) (2112)$$

A_{of} = 2,271 MCF/D

TESTED BY S. V. Roberts

WITNESSED BY Bill Rischard

Lewis D. Galloway
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