

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 7-9-71

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 88 (OWHO)	
Location 1450' S, 1650' W, S7, T30N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5969	Tubing: Diameter 2.375	Set At: Feet 5870
Pay Zone: From 5234	To 5888	Total Depth: 5970	Shut In 6-30-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 786	+ 12 = PSIA 798	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 784	+ 12 = PSIA 796	
Flowing Pressure: P PSIG 152	+ 12 = PSIA 164		Working Pressure: Pw PSIG 517	+ 12 = PSIA 529	
Temperature: T = 70 °F	Ft = .9905	n = .750	Fpv (From Tables) 1.012	Gravity .605	Fg = .9958

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

$$Q = 12.365 \times 164 \times .9905 \times .9958 \times 1.012 = 2024 \text{ MCF/D}$$

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

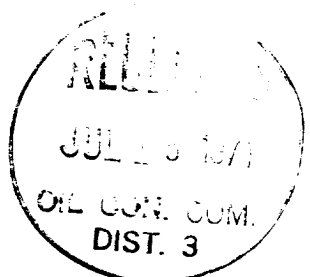
Note: Blew light fog of water throughout test.

$$Aof = \left(\frac{636804}{356963} \right)^n = 2024(1.7839)^{.75} = 2024(1.5436)$$

$$Aof = 3124 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY



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