

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 7-1-71

Operator El Paso Natural Gas Company		Lease Atlantic B No. 11	
Location 825' S, 1750' W, S 4, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3172	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3056	To 3147	Total Depth: 3172	Shut In 6-23-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 987	+ 12 = PSIA 999	Days Shut-In 8	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 30	+ 12 = PSIA 42		Working Pressure: P _w PSIG calculated	+ 12 = PSIA 53	
Temperature: T = 59 °F	F _t = 1.0010	n = .85	F _p (From Tables) 1.003	Gravity .635	F _g = .9721

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

$$Q = 12.365 \times 42 \times 1.0010 \times .9721 \times 1.003 = \underline{507} \text{ MCF/D}$$

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

Note- Well blew light spray of water and distillate throughout test.

$$Aof = \left(\frac{998001}{995192} \right)^n = 507(1.0028)^{.85} = 507(1.0024)$$

$$Aof = \underline{508} \text{ MCF/D}$$

TESTED BY D. R. Roberts

WITNESSED BY _____



H. L. Kendrick
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