

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 6, 1972

Operator El Paso Natural Gas Company		Lease Atlantic B No. 12	
Location 990'N, 1750'W, Sec. 5, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2957	Tubing: Diameter Tubingless	Set At: Feet
Pay Zone: From 2836	To 2868	Total Depth: 2957	Shut In 6-26-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 929	+ 12 = PSIA 941	Days Shut-In 10	Shut-In Pressure, Tubing PSIG Tubingless	+ 12 = PSIA	
Flowing Pressure: P PSIG 215	+ 12 = PSIA 237		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 297	
Temperature: T = 64 °F      F <sub>t</sub> = .9962	n = .85		F <sub>pv</sub> (From Tables) 1.020	Gravity .635      F <sub>g</sub> = .9721	

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

$$Q = (12.365)(237)(.9962)(.9721)(1.020) = \underline{2895} \text{ MCF/D}$$

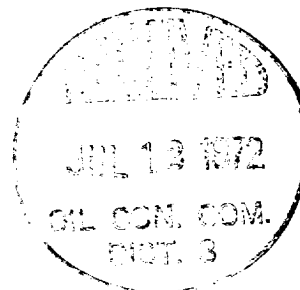
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left( \frac{885481}{797554} \right)^n = (2895)(1.1102)^{.85} = (2895)(1.0930) =$$

$$Aof = \underline{3164} \text{ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY \_\_\_\_\_



*J. A. Jones*  
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