

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE July 14, 1972

Operator El Paso Natural Gas Company		Lease Atlantic D Com G. No. 8	
Location 1500/S, 825/E, Sec. 2 T 30N - R 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3368	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3260	To 3274	Total Depth: 3368	Shut In 7-7-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 794	+ 12 = PSIA 806	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 309	+ 12 = PSIA 321		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 413	
Temperature: T = 65 °F	n = .85		Fpv (From Tables) 1.028	Gravity .635	Fg = .9721

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(321)(.9952)(.9721)(1.028) = \underline{3947} \text{ MCF/D}$$

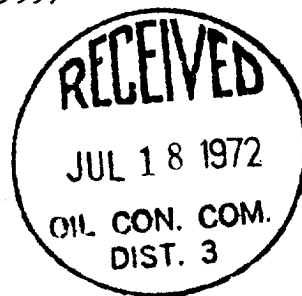
$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left( \frac{649636}{479067} \right)^n = (3947)(1.3560)^{.85} = (3947)(1.2955)$$

$$Aof = \underline{5114} \text{ MCF/D}$$

TESTED BY C. Rhames

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



*J. A. Jones*  
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