

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE 8/29/72

Operator El Paso Natural Gas Company		Lease Jones "A" #7	
Location 1460/N, 900/W, Sec. 15-T23N-R8W		County San Juan	State NM
Formation Pictured Cliffs <i>Egt</i>		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2968	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2880	To 2900	Total Depth: 2968	Shut In 8/22/72
Stimulation Method SEF		Flow Through Casing YES	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 935	+ 12 = PSIA 997	Days Shut-In 7	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134	Working Pressure: Pw PSIG calculated	+ 12 = PSIA 168		
Temperature: T = 62 °F	n = .85	Fpv (From Tables) 1.012	Gravity .645	Fg = .9645	

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

$$Q = (12.365)(134)(.9981)(.9645)(1.012) = 1614 \text{ MCF/D}$$

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

$$Aof = \left( \frac{994\ 009}{965\ 785} \right)^{.85} = (1614)(1.0292)^{.85} = (1614)(1.0248)$$

$$Aof = 1654 \text{ MCF/D}$$

NOTE: Well produced dry gas throughout test.

TESTED BY Jesse Goodwin

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

*J. A. Jones*  
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Well Test Engineer

