

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

*PCC*

DATE 09/15/72

Operator EL PASO NATURAL GAS COMPANY		Lease Riddle "F" #8	
Location 850/S, 925/W, Sec. 8-T23N-R8W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Ept.</i>		Pool <del>Undesignated</del> <i>Blanco</i>	
Casing: Diameter 2.875	Set At: Feet 2465	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2346	To 2366	Total Depth: 2465	Shut In 9/8/72
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 804	+ 12 = PSIA 816	Days Shut-In 7	Shut-In Pressure, Tubing No tubing	PSIG + 12 = PSIA	
Flowing Pressure: P PSIG 88	+ 12 = PSIA 100	Working Pressure: Pw Calculated	PSIG 121		
Temperature: T = 63 °F	Ft = .9971	n = .85	Fpv (From Tables) 1.007	Gravity .640	Fg = .9682

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

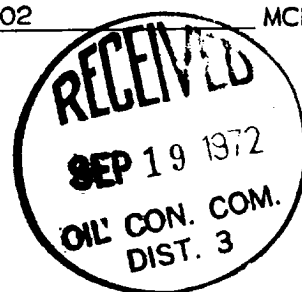
$$Q = (12.365)(100)(.9971)(.9682)(1.007) = 1202 \text{ MCF/D}$$

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

$$Aof = \left( \frac{665 \ 856}{651 \ 215} \right)^n = (1202)(1.0225)^{.85} (1202)(1.0191)$$

$$Aof = 1225 \text{ MCF/D}$$

NOTE: Well produced dry gas throughout test.



TESTED BY Carl Rhames

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

*J. A. Jones*  
J. A. Jones  
Well Test Engineer