

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

PCC

DATE 09/15/72

Operator EL PASO NATURAL GAS COMPANY		Lease Riddle "F" #3	
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: P <sub>w</sub> Calculated	PSIG + 12 = PSIA 121
Temperature: T = 63 °F      Ft = .9971	n = .85		F <sub>pv</sub> (From Tables) 1.007	Gravity .640      F <sub>g</sub> = .9682

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>g</sub> x F<sub>pv</sub>

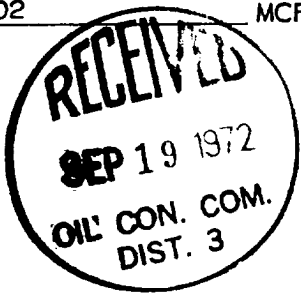
Q = (12.365)(100)(.9971)(.9682)(1.007) = 1202 MCF/D

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

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

Aof = 1225 MCF/D

NOTE: Well produced dry gas throughout test.



TESTED BY Carl Rhames

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

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