

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE October 29, 1971

Operator El Paso Natural Gas Company		Lease Klein No. 17	
Location 1100'S, 1600'E, S 33, T26N, R6W		County Rio Arriba	State New Mexico
Formation Chacara		Pool Otero	
Casing: Diameter 2.375	Set At: Feet 3913	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3748	To 3858	Total Depth: 3913	Shut In 10-15-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 611	+ 12 = PSIA 623	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 35	+ 12 = PSIA 47		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 62	
Temperature: T = 53 °F	n = Ft = 1.0068		Fpv (From Tables) 1.004	Gravity .650	Fg = .9608

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

$$Q = (12.365)(47)(1.0068)(.9608)(1.004) = \underline{564} \text{ MCF/D}$$

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

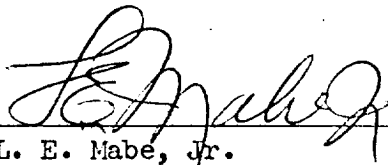
NOTE: Well produced a medium spray of water and distillates throughout the test.

$$Aof = \left( \frac{388129}{384285} \right)^n = (1.0100)^{.75} (564) = (1.0075)(564) = 568$$

$$Aof = \underline{568} \text{ MCF/D}$$

TESTED BY Dan Roberts

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

  
L. E. Mabe, Jr.
