

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 25, 1971

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 164	
Location 1650'S, 1683' W, S 10, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3791	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3612	To 3716	Total Depth: 3795	Shut In 10-15-71
Stimulation Method S M F		Flow Through Casing N/A	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-in Pressure, Casing, PSIG 779	+ 12 = PSIA 791	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 105	+ 12 = PSIA 117	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 153		
Temperature: T = 58 °F	n = 1.0019	Fpv (From Tables) 1.011	Gravity .663	Fg = .9513	

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

$$Q = (12.365)(117)(1.0019)(.9513)(1.011) = \underline{1394} \text{ MCF/D}$$

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

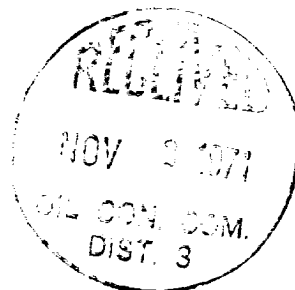
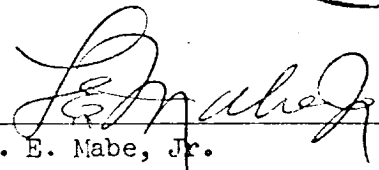
NOTE: The well blew dry gas throughout the test.

$$A_{of} = \left(\frac{625681}{602272} \right)^n = (1394)(1.0389)^{.75} = (1394)(1.0290)$$

$$A_{of} = \underline{1798} \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



 L. E. Mabe, Jr.