

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 16, 1971

Operator El Paso Natural Gas Company		Lease Jicarilla 183 No. 3	
Location 1800'S, 990'W, S28, T23N, R3W		County SANDOVAL	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 3239	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3090	To 3106	Total Depth: 3239	Shut In 9-9-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 462	+ 12 = PSIA 474	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 61	+ 12 = PSIA 73		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 92	
Temperature: T = 56 °F	n = F _t = 1.0039		F _p v (From Tables) 1.011	Gravity 0.715	F _g = .9161

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

$$Q = 12.365 \times 73 \times 1.0039 \times .9161 \times 1.011 = \underline{839} \text{ MCF/D}$$

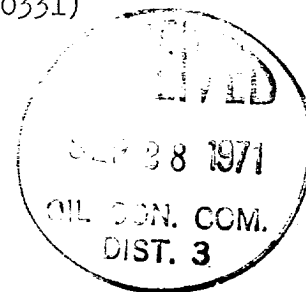
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

Note: Well blew dry gas throughout test.

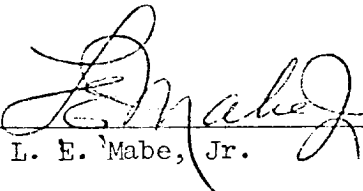
CORRECTED COPY

$$Aof = \left(\frac{224676}{216212} \right)^n = 839(1.0391)^{.85} = 839 (1.0331)$$

$$Aof = \underline{867} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____


 L. E. Mabe, Jr.