

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8-13-71

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 96 (OWWO)	
Location 990' N, 1850' E, S 26, T30N, R7W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5809	Tubing: Diameter 2.375	Set At: Feet 5735
Pay Zone: From 5065	To 5745	Total Depth: 5809	Shut In 7-31-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 782	+ 12 = PSIA 794	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 592	+ 12 = PSIA 604	
Flowing Pressure: P PSIG 220	+ 12 = PSIA 232		Working Pressure: P _w PSIG 644	+ 12 = PSIA 656	
Temperature: T = 68 °F	Ft = .9924	n = .75	Fpv (From Tables) 1.023	Gravity .672	Fg = .9449

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

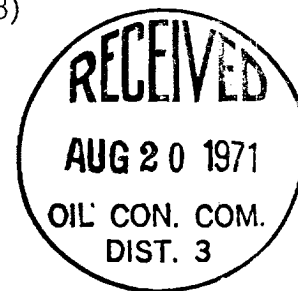
$$Q = 12.365 \times 232 \times .9924 \times .9449 \times 1.023 = \underline{2752} \text{ MCF/D}$$

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

Note: Well blew light spray of water and distillate throughout test.

$$Aof = \left(\frac{630436}{200100} \right)^n = 2752(3.1506)^{.75} = 2752(2.3648)$$

$$Aof = \underline{6508} \text{ MCF/D}$$

TESTED BY D. R. Roberts

WITNESSED BY _____

L. E. Mabe, Jr.
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