EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE ___August 2, 1971___

Operator El Paso Natural Gas Company		Lease Day No. 6	
Location 890'N, 800'W, Sec. 17, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3140	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2996	To 3016	Total Depth: 3155	Shut In 7-21-71
Stimulation Method Sand Water Frac		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 943	+ 12 = PSIA 955	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 289	+ 12 = PSIA 301		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 380
Temperature: T = 69 °F Ft = .9915	n = 0.85		Fpv (From Tables) 1.026	Gravity 0.630 Fg = .9759

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

$$Q = (12.365)(301)(.9915)(.9759)(1.026) = \underline{\quad 3695 \quad} \text{ MCF/D}$$

OPEN FLOW = Aof = Q $\left(\dfrac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$ Note: Well blew dry gas throughout test.

$$Aof = \left(\frac{912025}{767625} \right)^n = (3695)(1.1881)^{.85} = (3695)(1.1577)$$

Aof = ___4278___ MCF/D

TESTED BY ___B. J. Broughton___

WITNESSED BY _____

L. E. Mabe, Jr.