FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 5-20-71

Operator: El Paso Natural Gas Company		Lease: San Juan 28-5 Unit No. 86	
Location: 1450' S, 1190' W, S 23, T28N, R5W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8489	Tubing: Diameter: 1.990	Set At: Feet: 8449
Pay Zone: From: 8336	To: 8446	Total Depth: 8489	Shut In: 5-9-71
Stimulation Method: S W F		Flow Through Casing: xxx	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2686	+ 12 = PSIA: 2698	Days Shut-In: 11	Shut-In Pressure, Tubing PSIG: 2686		+ 12 = PSIA: 2698
Flowing Pressure: P PSIG: 247	+ 12 = PSIA: 259		Working Pressure: P_w PSIG: 603		+ 12 = PSIA: 615
Temperature: T= 76 °F	Ft= .9850	n = .75	Fpv (From Tables): 1.019		Gravity: .600 Fg = 1.000

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

$Q = 12.365 \times 259 \times .9850 \times 1.000 \times 1.019 = 3214$ MCF/D

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

Note: Blew very heavy fog of water and light hydrocarbons for 3 hours.

$Aof = \left(\frac{7279204}{6900979} \right)^n = (1.0548)^{.75}(3214) = (1.0408)(3214)$

Aof = 3345 MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

H. L. Kendrick