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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 4-23-71

Operator: El Paso Natural Gas Company		Lease: San Juan 29-6 Unit No. 103	
Location: 1755'N, 1550'E, S 11, T29N, R6W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8178	Tubing: Diameter: 1.990	Set At: Feet: 8143
Pay Zone: From: 8030	To: 8130	Total Depth: 8180	Shut In: 4-10-71
Stimulation Method: S W F		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2537		+ 12 = PSIA: 2549	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: 2535	+ 12 = PSIA: 2547
Flowing Pressure: P PSIG: 266		+ 12 = PSIA: 278		Working Pressure: P_w PSIG: 439	+ 12 = PSIA: 451
Temperature: T= 77 °F	Ft= .9840	n = .75		Fpv (From Tables): 1.019	Gravity: .590 Fg = 1.008

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

Q = 12.365 x 278 x .9840 x 1.008 x 1.019 = 3474 MCF/D

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

Note: Well produced very light fog throughout test.

Aof = $\left(\frac{6497401}{6294000} \right)^n$ = $(1.0323)^{.75}(3474)$ = 1.0241)(3474)

Aof = 3558 MCF/D

APR
OIL CON. COM.
DIST. 3

TESTED BY B. J. Broughton

WITNESSED BY

H. L. Kendrick