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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 4-23-70

Operator: El Paso Natural Gas Co.		Lease: S. J. 27-5 Unit No. 121	
Location: 1460S, 1840W, S28, T27N, R5W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7630	Tubing: Diameter: 1.900	Set At: Feet: 7570
Pay Zone: From: 7400	To: 7598	Total Depth: 7630	Shut In: 4-11-70
Stimulation Method: SWF		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2595	+ 12 = PSIA: 2607	Days Shut-In: 12	Shut-In Pressure, Tubing PSIG: 1220	+ 12 = PSIA: 1232	
Flowing Pressure: P PSIG: 238	+ 12 = PSIA: 250		Working Pressure: Pw PSIG: 495	+ 12 = PSIA: 507	
Temperature: T= 72 °F Ft=.9887	n = .75		Fpv (From Tables): 1.022	Gravity: .650 Fg = .9608	

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

Q = 12.365 x 250 x .9887 x .9608 x 1.022 = 3001 MCF/D

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

Note: The well produced a light fog of water and dist. throughtout the test.

Aof = $\left(\frac{6796449}{6539400} \right)^n$ = $(1.0393)^{.75}$ (3001) = (1.0293)(3001)

Aof = 3089 MCF/D

RECEIVED
APR 28 1970
OIL CON. COM.
DIST. 3

TESTED BY C. R. Wagner

WITNESSED BY

H. L. Kendrick