FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 6-17-71

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit No. 130	
Location: 1090'N, 1840'E, S 26, T27N, R5W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7822	Tubing: Diameter: 1.990	Set At: Feet: 7756
Pay Zone: From: 7518	To: 7770	Total Depth: 7822	Shut In: 6-2-71
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: 2492	+ 12 = PSIA: 2504	Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: 2427	+ 12 = PSIA: 2439	
Flowing Pressure: P PSIG: 416	+ 12 = PSIA: 428		Working Pressure: P_w PSIG: 655	+ 12 = PSIA: 667	
Temperature: T= 55 °F	Ft= 1.0048	n = .75	Fpv (From Tables): 1.039	Gravity: .625	Fg=.9798

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

$Q = 12.365 \times 428 \times 1.0048 \times .9798 \times 1.039 =$ 5413 MCF/D

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

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

$Aof = \left(\frac{6270016}{5825127} \right)^n = 5413(1.0763)^{.75} = 5413(1.0567)$

Aof = 5720 MCF/D

TESTED BY R. R. Hardy

WITNESSED BY

H. L. Kendrick