FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 27, 1973

Operator: El Paso Natural GAs Company		Lease: Jicarilla 183 #5	
Location: 905/S, 1170/W, Sec. 21, T-23N, R3W		County: Sandoval	State: New Mexico
Formation: Pictured Cliffs		Pool: Ballard	
Casing: Diameter: 2.875	Set At: Feet: 3089'	Tubing: Diameter: No Tubing	Set At: Feet:
Pay Zone: From: 2974	To: 3028'	Total Depth: 3089	Shut In: 8-10-73
Stimulation Method: Sand Water Frac		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 421	+ 12 = PSIA: 433	Days Shut-In: 17	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA:	
Flowing Pressure: P PSIG: 200	+ 12 = PSIA: 212		Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 267	
Temperature: T= 64 °F	Ft= .9962	n = .85	Fpv (From Tables): 1.025	Gravity: .705	Fg=.9225

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

$Q = (12.365)(212)(.9962)(9225)(1.025) =$ 2469 MCF/D

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

$Aof = Q \left(\frac{187489}{116200} \right)^n = 2469\ (1.6135)^{.85} = 2469\ (1.5018)$

Aof = 3708 MCF/D

Note: The Well produced dry gas.

RECEIVED
AUG 29 1973
OIL CON. COM.
DIST. 3

TESTED BY Norton

WITNESSED BY _____

William D. Welch

Well Test Engineer