FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 22, 1973

Operator: El Paso Natural Gas Company		Lease: San Juan 29-7 Unit #106	
Location: 1650/S, 1840/W, Sec. 36, T-29-N, R-7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8115 '	Tubing: Diameter: 1 1/2"	Set At: Feet: 8054 '
Pay Zone: From: 7862'	To: 8072'	Total Depth: 8115'	Shut In: 8-12-73
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-in Pressure, Casing, PSIG: 2673	+ 12 = PSIA: 2685	Days Shut-In: 10	Shut-in Pressure, Tubing PSIG: 1689	+ 12 = PSIA: 1701	
Flowing Pressure: P PSIG: 359	+ 12 = PSIA: 371		Working Pressure: Pw PSIG: 571	+ 12 = PSIA: 583	
Temperature: T= 72 °F	Ft= .9887	n = .75	Fpv (From Tables): 1.026	Gravity: .595	Fg = 1.0041

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

$Q = (12.365)\ (371)\ (.9887)\ (1.0041)\ (1.026) =$ 4673 MCF/D

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

$Aof = Q \left(\frac{7209225}{6869336} \right)^n = 4673\ (1.0495)^{.75} = 4673\ (1.0369)$

Aof = 4845 MCF/D

Note: The well produced a medium mist of water throughout the test.

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

TESTED BY W.D. Welch

WITNESSED BY _____

William D. Welch

Well Test Engineer