FORM 33-75 (12-60)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE Oct. 23, 1979

Operator: ~~El Paso Exploration Company~~ New Producer		Lease: Jicarilla 120C #19	
Location: NW 32-26-04		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliff		Pool: So. Blanco	
Casing: Diameter: 2 7/8	Set At: Feet: 3385	Tubing: Diameter: T/C	Set At: Feet
Pay Zone: From: 3251	To: 3309	Total Depth: 3385	Shut In: 10-16-79
Stimulation Method: Sand Water Frac		Flow Through Casing: XXX	Flow Through Tubing

Choke Size, Inches: .750	Choke Constant: C: 12.365				
Shut-In Pressure, Casing, PSIG: 903	+ 12 = PSIA: 915	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG: 79	+ 12 = PSIA: 91		Working Pressure: P_w PSIG: Calc.	+ 12 = PSIA: 116	
Temperature: T= 53 °F	Ft= 1.007	n = .85	Fpv (From Tables): 1.009	Gravity: .670	Fg= 9463

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

$Q = (12.365)(91)(1.007)(.9463)(1.009) =$ 1082 MCF/D

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

$Aof = \left(\frac{837225}{823769} \right)^n = (1.0163)^{.85} (1082) = (1.0139)(1082)$

NOTE: Well Blew Light Fog of Water Throughout Test and Vented 107 MCF To The Atmosphere.

Aof = 1097 MCF/D

TESTED BY L. Nations

WITNESSED BY _____

Well Test Engineer