

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE Oct. 11, 1979

Operator El Paso Exploration Company		Lease Jicarilla 120C #20	
Location SW 32-26-04		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool S. Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3470	Tubing: Diameter T/C	Set At: Feet -----
Pay Zone: From 3339	To 3373	Total Depth: 3470	Shut In 10-4-79
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 963	+ 12 = PSIA 975	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing
Flowing Pressure: P PSIG 196	+ 12 = PSIA 208	Working Pressure: P _w Calc. PSIG 268	+ 12 = PSIA
Temperature: T = 59 °F	F _t = 1.001	n = .85	Fpv (From Tables) 1.021
		Gravity .650 F _g = .9608	

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

$$Q = (12.365)(208)(1.001)(9608)(1.021) = 2526 \text{ MCF/D}$$

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

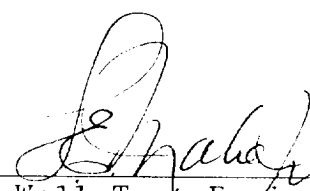
$$Aof = \left(\frac{950625}{878801} \right)^{.85} = (1.0817)^{.85} (2526) = (1.0691)(2526)$$

NOTE: Well Blew Dry Gas Throughout Test and Vented 230 MCF/D to the Atmosphere During The Test.

$$Aof = 2701 \text{ MCF/D}$$

TESTED BY L. Nations

WITNESSED BY _____


Well Test Engineer

