

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 24, 1979

Operator El Paso Natural Gas Company		Lease Atlantic B 6A (PC)	
Location NW 33-31-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5555	Tubing: Diameter 1 1/4	Set At: Feet 2894
Pay Zone: From 2860	To 2908	Total Depth: 5555	Shut In 7-1-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, 976	PSIG	+ 12 = PSIA 988	Days Shut-In 23	Shut-In Pressure, Tubing 977	PSIG + 12 = PSIA 989
Flowing Pressure: P 211	PSIG	+ 12 = PSIA 223		Working Pressure: P _w 222	PSIG + 12 = PSIA 234
Temperature: T = 62 °F	F _g = 9981	n = .85		F _{pv} (From Tables) 1.024	Gravity .670 F _g = 9463

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 223 \times .9981 \times .9463 \times 1.024 = \underline{2667} \text{ MCF/D}$$

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

$$Aof = \left(\frac{978121}{923365} \right)^{.85} = (1.0593)^{.85} (2667) = (1.0502) (2667)$$

NOTE: Well Blew Dry Gas Through out Test
and Vented 304 MCF to The Atmosphere.

$$Aof = \underline{2801} \text{ MCF/D}$$

TESTED BY J. Thurstonson

WITNESSED BY _____

C.R. Kegan
Well Test Engineer

