

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

*CORRECTED COPY

DATE July 17, 1979

Operator El Paso Natural Gas Company		Lease Atlantic B 6A (MV)	
Location NW 33-31-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5555'	Tubing: Diameter 2 3/8	Set At: Feet 5461
Pay Zone: From *4376	To 5468	Total Depth: 5555	Shut In 7-1-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG -----	+ 12 = PSIA	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 688	+ 12 = PSIA 700	
Flowing Pressure: P PSIG 170	+ 12 = PSIA 182	Working Pressure: P _w PSIG Calculate	+ 12 = PSIA 360		
Temperature: T = 64 °F F _t = 0.9962	n = .75	F _{pv} (From Tables) 1.019	Gravity 0.670 F _g = 0.9463		

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

$$Q = (12.365) (182) (0.9962) (0.9463) (1.019) \text{---} 2162 \text{---} \text{MCF/D}$$

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

$$Aof = \left(\frac{490000}{360400} \right)^n = (2162) (1.3596)^{.75} = (2162) (1.2591)$$

NOTE: The Well Produced 283 MCF Gas During the Test.

$$Aof = \text{---} 2722 \text{---} \text{MCF/D}$$

TESTED BY Jim Thurstonson

WITNESSED BY _____



C.R. Wagner
Well Test Engineer