

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 26, 1979

Operator El Paso Natural Gas Company		Lease Atlantic C 5A (MV)	
Location SE 6-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5513	Tubing: Diameter 2 3/8	Set At: Feet 5453
Pay Zone: From 4821	To 5470	Total Depth: 5513	Shut In 7-19-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.3650			
Shut-In Pressure, Casing, PSIG ---	+ 12 = PSIA ----	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 884	+ 12 = PSIA 896	
Flowing Pressure: P PSIG 294	+ 12 = PSIA 306	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 605		
Temperature: T = 74 °F	n = F _T = 9868	F _p (From Tables) 1.028	Gravity .650 F _g = .9608		

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_T \times F_g \times F_{pv}$$

$$Q = 12.365 \times 306 \times .9868 \times .9608 \times 1.028 = 3688 \text{ MCF/D}$$

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

$$Aof = \left(\frac{802816}{436791} \right)^{.75} = (1.8380)^{.75} (3688) = (1.5785)(3688)$$

NOTE: Well Blew A Very Light Fog of Water Throughout Test and Vented 423 MCF To The Atmosphere.

$$Aof = 5822 \text{ MCF/D}$$

TESTED BY J. Thurstonson

WITNESSED BY _____

C.R. Hagen
Well Test Engineer

