

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE Oct. 20, 1979

Operator El Paso Exploration Company		Lease Jicarilla 120 C #18	
Location SE 31-26-4		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool So. Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3374	Tubing: Diameter T/C	Set At: Feet ---
Pay Zone: From 3204	To 3282	Total Depth: 3374	Shut In 10-13-79
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 996	+ 12 = PSIA 1008	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing
Flowing Pressure: P PSIG 134	+ 12 = PSIA 146	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 187
Temperature: T = 57 °F	F _t = 1.003	F _{pv} (From Tables) 1.014	Gravity .670 F _g = .9463

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

$$Q = (12.365)(146)(1.003)(.9463)(1.014) = 1737 \text{ MCF/D}$$

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

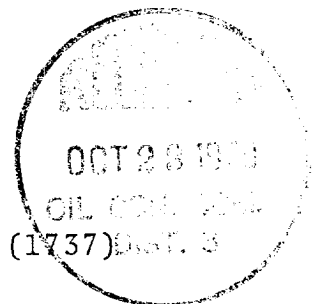
$$A_{of} = \left(\frac{1016064}{981095} \right)^n = (1.0356)^{.85} (1737) = (1.0302)(1737) = 1789 \text{ MCF/D}$$

$$A_{of} = 1789 \text{ MCF/D}$$

TESTED BY L. Nations

WITNESSED BY _____

C.R. Wagner
Well Test Engineer



NOTE: Well Blew A Very Light Fog of Water Throughout Test and Vented 170 MCF to The Atmosphere.