

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA*NW Production*DATE Oct. 11, 1979

Operator El Paso Exploration Company		Lease Jicarilla 120C #16	
Location NW 30-26-04		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool So. Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3343	Tubing: Diameter T/C	Set At: Feet ---
Pay Zone: From 3188	To 3249	Total Depth: 3343	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 804	+ 12 = PSIA 816	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 128	+ 12 = PSIA 140	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA	179	
Temperature: T = 55 °F	F _t = 1.005	n = .85	F _p (From Tables) 1.012	Gravity .650	F _g = 9608

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

$$Q = (12.365)(140)(1.005)(.9608)(1.012) = \underline{1692} \text{ MCF/D}$$

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

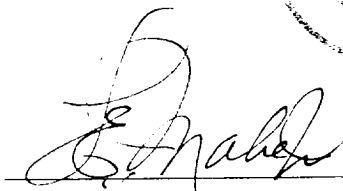
$$A_{of} = \left(\frac{665856}{633815} \right)^{.85} = (1.0506)^{.85} (1692) = (1.0428)(1692)$$

NOTE: Well Blew Dry Gas Throughout Test and Vented 204 MCF/D to the Atmosphere During The Test.

$$A_{of} = \underline{1764} \text{ MCF/D}$$

TESTED BY L. Nations

WITNESSED BY _____


Well TEST Engineer
