

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 17, 1976

Operator El Paso Natural Gas Company		Lease Jicarilla 123C #20	
Location 990'/N, 1550'/W, Sec. 6, T25N, R4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3322'	Tubing: Diameter none	Set At: Feet --
Pay Zone: From 3190	To 3227	Total Depth: 3322'	Shut In 1-20-76
Stimulation Method Sandwater Fracture		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1035	+ 12 = PSIA 1047	Days Shut-In 56	Shut-In Pressure, Tubing PSIG --	+ 12 = PSIA --	
Flowing Pressure: P PSIG 89	+ 12 = PSIA 101		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 129	
Temperature: T = 58 °F	F _t = 1.002	n = .85	F _{pv} (From Tables) 1.009	Gravity .670	F _g = .9463

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

$$Q = (12.365)(101)(1.002)(.9463)(1.009) = 1195 \text{ MCF/D}$$

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

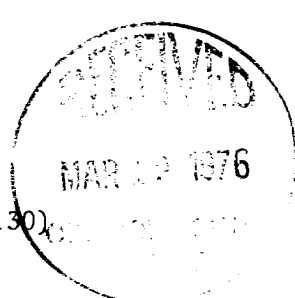
$$A_{of} = Q \left(\frac{1096209}{1079672} \right)^n = 1195(1.0153)^{.85} = (1195)(1.0130)$$

$$A_{of} = 1210 \text{ MCF/D}$$

Note: Well blew dry gas throughout test.

TESTED BY Roger Hardy

WITNESSED BY _____



J. W. Anderson
Well Test Engineer