

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 16, 1975

Operator El Paso Natural Gas Company		Lease San Juan 27-4 Unit #126 (PG)	
Location 1680/S, 1190/W, Sec. 20, T27N, R4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 4.500	Set At: Feet 6163'	Tubing: Diameter 1.660	Set At: Feet 3829'
Pay Zone: From 3752'	To 3814'	Total Depth: 6163'	Shut In 1-9-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1043	+ 12 = PSIA 1055	Days Shut-In 7	Shut-In Pressure, Tubing PSIG Plugged	+ 12 = PSIA --	
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 122	
Temperature: T = 56 °F	F _t = 1.0039	n = .85	F _{pv} (From Tables) 1.009	Gravity .680	F _g = 0.9393

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

$$Q = 12.365(105)(1.0039)(0.9393)(1.009) = \underline{\hspace{2cm}} 1235 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1113025}{1098141} \right)^n = 1235(1.0136)^{.85} = 1235(1.0115)$$

$$Aof = \underline{\hspace{2cm}} 1250 \text{ MCF/D}$$

Note: The well produced a dry gas flow.

TESTED BY C. Rhames

WITNESSED BY _____

Soren W. Fetherjell
Well Test Engineer

