

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 10, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #194	
Location 1190/N, 790/W, Sec. 13, T27N, R6W		County Rio Arriba	State New Mexico
Formation PC		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3246'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3104'	To 3158'	Total Depth: PBD 3246' 3235'	Shut In 12-20-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 482	+ 12 = PSIA 494	Days Shut-In 22	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 44	+ 12 = PSIA 56		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 71	
Temperature: T = 52 °F	n = F _t = 1.0078		F _p (From Tables) 1.003	Gravity .625	F _g = 0.9798

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

$$Q = 12.365(56)(1.0078)(0.9798)(1.003) = \underline{\quad 686 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{244036}{238995} \right)^n = 686(1.0211)^{.85} = 686(1.0179)$$

$$Aof = \underline{\quad 698 \quad} \text{ MCF/D}$$

Note: The well blew a dry gas.

TESTED BY F. Johnson

WITNESSED BY _____

Loren W. Fairchild
Well Test Engineer

