

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

REDISTRIBUTION

DATE November 5, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #206 (PC)	
Location 790/N, 1850/E, sec. 20, T27N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3090'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2950	To 3002	Total Depth: PBTD 3090' 3079'	Shut In 10-3-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 911	+ 12 = PSIA 923	Days Shut-In 33	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 98	+ 12 = PSIA 110		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 138	
Temperature: T = 60 °F	n = 1.0000		F _{pv} (From Tables) 1.009	Gravity .660	F_g = 0.9535

$$C \text{ KE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365(110)(1.0000)(0.9535)(1.009) = \underline{\quad 1309 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{851929}{832885} \right)^n = 1309(1.0229)^{.85} = 1309(1.0194)$$

$$Aof = \underline{\quad 1334 \quad} \text{ MCF/D}$$

Note: The well produced dry gas throughout the test.

TESTED BY Carl Rhames

WITNESSED BY _____

H. E. McNally
Well Test Engineer

