

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 10, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #199	
Location 1835/S, 1840/E, Sec. 24, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3402'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3308'	To 3363'	Total Depth: PBDT 3402' 3391'	Shut In 12-30-74
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 690	+ 12 = PSIA 702	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 38	+ 12 = PSIA 50		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 64	
Temperature: T = 50 °F	n = .85		F _{pv} (From Tables) 1.003	Gravity .625	F _g = 0.9798

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

$$Q = 12.365(50)(1.0098)(0.9798)(1.003) = \underline{\quad 614 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{492804}{488708} \right)^n = 614(1.0084)^{.85} = 614(1.0071)$$

$$Aof = \underline{\quad 618 \quad} \text{ MCF/D}$$

Note: The well blew a dry gas.

TESTED BY C. Rhames

WITNESSED BY _____

Loren W. Fethergill
Well Test Engineer