

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 11, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #196	
Location 1830/N, 1470/E, Sec. 14, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3347'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3234'	To 3288'	Total Depth: PBD 3347' 3336'	Shut In 12-2-74
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 755	+ 12 = PSIA 767	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 58	+ 12 = PSIA 70		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 90
Temperature: T = 51 °F	n = Ft = 1.009		Fpv (From Tables) 1.008	Gravity .625 Fg = 0.9798

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

$$Q = 12.365(70)(1.009)(0.9798)(1.008) = \underline{\quad 863 \quad} \text{MCF/D}$$

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

$$Aof = Q \left(\frac{588289}{580189} \right)^n = 863(1.0140)^{.85} = 863(1.0119)$$

$$Aof = \underline{\quad 873 \quad} \text{MCF/D}$$

Note: The well blew a dry gas.

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

Loren W. Fathrig
 Well Test Engineer

