

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9-11-74

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #191	
Location 908/S, 1850/E, Sec. 11, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3174'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3038'	To 3098'	Total Depth: PBT 3174' 3163'	Shut In 9-3-74
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 656	+ 12 = PSIA 668	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 43	+ 12 = PSIA 55		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 69	
Temperature: T = 65 °F	n = Fr = .9952		F _{pv} (From Tables) 1.007	Gravity .625	F _g = 0.9798

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

$$Q = 12.365(55)(.9952)(.9798)1.007 = \underline{\quad 668 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{446224}{441463} \right)^n = 668(1.0108)^{.85} = 668(1.009)$$

$$Aof = \underline{\quad 674 \quad} \text{ MCF/D}$$

Note: Well blew fine spray of water throughout test.

TESTED BY R. R. Hardy

WITNESSED BY _____

Loren W. Fothergill
 Loren W. Fothergill
 Well Test Engineer *CRW*

