

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 20, 1974

Operator El Paso Natural Gas Company		Lease Day A #17	
Location 800/N, 800/W, Sec. 7, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2959'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2852	To 2876	Total Depth: PBT 2959' 2947'	Shut In 8-9-74
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 631	+ 12 = PSIA 643	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 167	
Temperature: T = 70 °F	n = F _t = .9905		F _{pv} (From Tables) 1.011	Gravity .635	F _g = .9721

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

$$Q = 12.365(134)(0.9905)(0.9721)(1.0110) = \underline{\hspace{2cm}} 1613 \underline{\hspace{2cm}} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{413449}{385560} \right)^n = 1613(1.0723)^{.85} = 1613(1.0612)$$

$$Aof = \underline{\hspace{2cm}} 1712 \underline{\hspace{2cm}} \text{ MCF/D}$$

Note: The well flowed dry gas.

TESTED BY D. Norton

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer

