

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 22, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #173	
Location 990/S, 800/E, Sec. 28, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2689'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2558'	To 2616'	Total Depth: PBSD 2689' 2678'	Shut In 10-10-74
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 409	+ 12 = PSIA 421	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 173	+ 12 = PSIA 185		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 228	
Temperature: T = 60 °F	n = 1.0000		F <sub>pv</sub> (From Tables) 1.021	Gravity .700	F <sub>g</sub> = 0.9258

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

$$Q = 12.365(185)(1.0000)(0.9258)(1.021) = \underline{\quad 2162 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{177241}{125257} \right)^n = 2162(1.4150)^{.85} = 2162(1.3432)$$

$$Aof = \underline{\quad 2904 \quad} \text{ MCF/D}$$

Note: The well produced a dry gas flow.

TESTED BY Don Norton

WITNESSED BY \_\_\_\_\_

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

