

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE May 2, 1975

Operator El Paso Natural Gas Company		Lease Grambling #8	
Location 1180/N, 860/E, Sec. 28, T29N, R9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2290'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2134	To 2174	Total Depth: PBT 2290' 2280'	Shut In 4-23-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 809	+ 12 = PSIA 821	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 42	+ 12 = PSIA 54	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 64		
Temperature: T = 57 °F	n = F <sub>t</sub> = 1.0029	F <sub>pv</sub> (From Tables) 1.004	Gravity .710	F <sub>g</sub> = 0.9193	

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

$$Q = 12.365(54)(1.0029)(0.9193)(1.004) = \underline{\quad 618 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{674041}{669945} \right)^n = 618(1.0061)^{.85} = 618(1.0052)$$

$$Aof = \underline{\quad 621 \quad} \text{ MCF/D}$$

Note: The well produced a light spray of water and oil during the test. Vented 182 MCF of gas during the test.

TESTED BY R. Hardy

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

  
Well Test Engineer

