

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 30, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #192	
Location 1470/N, 1710/E, Sec. 24, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2889'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2746	To 2842	Total Depth: 2889	Shut In 10-20-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 396	+ 12 = PSIA 408	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 130	
Temperature: T = 57 °F	n = .85		F <sub>pv</sub> (From Tables) 1.011	Gravity .700	F <sub>g</sub> = .9258

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

$$Q = (12.365)(105)(1.0029)(.9258)(1.011) = \underline{1219} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{166464}{149564} \right)^n = (1219)(1.1130)^{.85} = (1219)(1.0953)$$

$$Aof = \underline{1335} \text{ MCF/D}$$

Note: The well produced dry gas throughout the test.

TESTED BY Don Norton

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

*H. E. McNally*  
Well Test Engineer

