

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 6, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #213	
Location 1560/N, 1140/W, Sec. 8, T24N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2501'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2368	To 2440	Total Depth: 2501	Shut In 11-28-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 576	+ 12 = PSIA 588	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 55	+ 12 = PSIA 67		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 86	
Temperature: T= 53 °F	n = Ft=1.007 .85		Fpv (From Tables) 1.011	Gravity .700	Fg = .9258

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

$$Q = (12.365)(67)(1.007)(.9258)(1.011) = \underline{\quad 781 \quad} \text{MCF/D}$$

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

$$Aof = Q \left(\frac{345744}{338348} \right)^n = 781 (1.0219)^{.85} = 781 (1.0186)$$

$$Aof = \underline{\quad 795 \quad} \text{MCF/D}$$

Note: Well produced a light mist of water.

TESTED BY B. Broughton

WITNESSED BY _____

William D. Welch
 William D. Welch
 Well Test Engineer

