

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 29, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #211	
Location 1540/S, 1700/W, Sec. 30, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2806'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2668	To 2700'	Total Depth: 2806	Shut In 10-20-73
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 416	+ 12 = PSIA 428	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 65	+ 12 = PSIA 77		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 95	
Temperature: T = 58 °F	n = F _t = 1.0019		F _{pv} (From Tables) 1.011	Gravity .700	F _g = .9258

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

$$Q = (12,365)(77)(1.0019)(.9258)(1.011) = \underline{893} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{183184}{174159} \right)^n = (893)(1.0518)^{.85} = (893)(1.0439)$$

$$Aof = \underline{932} \text{ MCF/D}$$

Note: The well produced a light mist of water throughout the test.

TESTED BY C. Rhames

WITNESSED BY _____

H. E. McNally
Well Test Engineer

