

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 23, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #214	
Location 1160/S, 1760/E, Sec. 8, T24N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2169'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2070	To 2140'	Total Depth: 2180	Shut In 10-15-73
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 407	+ 12 = PSIA 419	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 51	+ 12 = PSIA 63		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 75	
Temperature: T = 62 °F	n = Fr = .9981		F _{pv} (From Tables) 1.011	Gravity 700	F _g = .9258

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

$$Q = (12.365) (63) (.9981) (.9258) (1.011) = \underline{728} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{175561}{169936} \right)^n = 728 (1.0331)^{.85} = 728 (1.0281)$$

$$Aof = \underline{748} \text{ MCF/D}$$

Note: Well produced a medium fog of water with a trace of oil.

TESTED BY B. J. B.

WITNESSED BY _____



William D Welch
William D. Welch
Well Test Engineer