

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 30, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #193	
Location 1600/S, 1710/W, Sec. 24, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2796'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2676	To 2764	Total Depth: 2796	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 342	+ 12 = PSIA 354	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 153	+ 12 = PSIA 165	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 205		
Temperature: T = 55 °F	n = Ft = 1.0029	Fpv (From Tables) 1.020	Gravity .700	Fg = .9258	

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

$$Q = (12.365)(165)(1.0029)(.9258)(1.020) = \underline{1932} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{125316}{83291} \right)^n = (1932)(1.5046)^{.85} = (1932)(1.4151)$$

$$Aof = \underline{2734} \text{ MCF/D}$$

Note: The well produced dry gas throughout the test.

TESTED BY Don Norton

WITNESSED BY _____

H.E. McAnally
Well Test Engineer

