

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 9, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #270	
Location 1550/S, 1850/E, Sec. 20, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2753'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2670'	To 2716'	Total Depth: 2753'	PBTD 2742'
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 574	+ 12 = PSIA 586	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 45	+ 12 = PSIA 57		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 70	
Temperature: T = 58 °F	F _t = 1.0019	n = .85	F _{pv} (From Tables) 1.002	Gravity .700	F _g = .9258

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

$$Q = 12.365(57)(1.0019)(.9258)(1.002) = \underline{\hspace{2cm}} 655 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{343396}{338496} \right)^n = 655(1.0145)^{.85} = 655(1.0123)$$

$$Aof = \underline{\hspace{2cm}} 663 \text{ MCF/D}$$

Note: Well blew dry gas throughout test.

TESTED BY Don Norton

WITNESSED BY _____

C.R. Hagan
Well Test Engineer

