

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 25, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #253	
Location 1800/S, 900/E, Sec. 12, T25N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7383'	Tubing: Diameter 1.900	Set At: Feet 7314'
Pay Zone: From 7160'	To 7322'	Total Depth: PBTD 7383' 7366'	Shut In 9-16-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2504	+ 12 = PSIA 2516	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2493	+ 12 = PSIA 2505	
Flowing Pressure: P PSIG 96	+ 12 = PSIA 108		Working Pressure: P _w PSIG 345	+ 12 = PSIA 357	
Temperature: T = 60 °F	F_t = 1.000	n = .75	F_{pv} (From Tables) 1.009	Gravity .690	F_g = .9325

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

$$Q = 12.365(108)(1.000)(.9325)(1.009) = \underline{\hspace{2cm}} 1256 \text{ MCF/D}$$

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

$$A_{of} = Q \left(\frac{6330256}{6202807} \right)^n = 1256(1.0205)^{.75} = 1256(1.0154)$$

$$A_{of} = \underline{\hspace{2cm}} 1275 \text{ MCF/D}$$

Note: Well blew light fog of water.

TESTED BY Jesse Goodwin

WITNESSED BY _____

H. E. M. Crally
Well Test Engineer

