

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE October 2, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #254	
Location 1150/N, 850/E, Sec. 13, T25N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7266'	Tubing: Diameter 1.990	Set At: Feet 7165'
Pay Zone: From 7040'	To 7180'	Total Depth: PBT 7266' 7249'	Shut In 9-20-74
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 2480	+ 12 = PSIA 2492	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 2377	+ 12 = PSIA 2389	
Flowing Pressure: P PSIG 151	+ 12 = PSIA 163		Working Pressure: P _w PSIG 284	+ 12 = PSIA 296	
Temperature: T = 60 °F Ft = 1,000	n = .75		Fpv (From Tables) 1.018	Gravity .690	Fg = .9325

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

$$Q = 12.365(163)(1.000)(.9325)(1.018) = \underline{1913} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{6210064}{6122448} \right)^n = 1913(1.0143)^{.75} = 1913(1.0107)$$

$$Aof = \underline{1934} \text{ MCF/D}$$

Note: Blew heavy fog of frac water.

TESTED BY Jesse Goodwin

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer