

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 5, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #252	
Location 1150/N, 800/E, Sec. 3, T25N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Seal At: Feet 7469'	Tubing: Diameter 1.990	Set At: Feet 7350'
Pay Zone: From 7175'	To 7346'	Total Depth: PBID 7469' 7453'	Shut In 8-29-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2440	+ 12 = PSIA 2452	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2375	+ 12 = PSIA 2387	
Flowing Pressure: P PSIG 284	+ 12 = PSIA 296		Working Pressure: P _w PSIG 596	+ 12 = PSIA 608	
Temperature: T = 68 °F	n = 0.9924		Fpv (From Tables) 1.0320	Gravity 690	Fg = 0.9325

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

$$Q = 12.365(296)(0.9924)(0.9325)(1.0320) = \underline{\quad 3495 \quad} \text{ MCF/D}$$

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

$$A_{of} = Q \left(\frac{6012304}{5642640} \right)^n = 3495(1.0655)^{.75} = 3495(1.0487)$$

$$A_{of} = \underline{\quad 3666 \quad} \text{ MCF/D}$$

Note: The well produced a heavy fog of oil and distillate.

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer