

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE 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'	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 12	Shut-In Pressure, Tubing PSIG 2377	+ 12 = PSIA 2389	
Flowing Pressure: P PSIG 151	+ 12 = PSIA 163		Working Pressure: P <sub>w</sub> PSIG 284	+ 12 = PSIA 296	
Temperature: T = 60 °F	F <sub>t</sub> = 1.000	n = .75	F <sub>pv</sub> (From Tables) 1.018	Gravity .690	F <sub>g</sub> = .9325

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

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

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

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

$$Aof = \underline{1933} \text{ MCF/D}$$

Note: Blew heavy fog of frac water.

TESTED BY Jesse B. Goodwin

WITNESSED BY \_\_\_\_\_

*Loren W. Fothergill*  
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Well Test Engineer

