

## OPEN FLOW TEST DATA

DATE November 15, 1977

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #275	
Location SW 15-25-07		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2 7/8	Set At: Feet 2707'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 2583	To 2668	Total Depth: 2707	Shut In 11-4-77
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 434	+ 12 = PSIA 446	Days Shut-In 10	Shut-In Pressure, Tubing PSIG + 12 = PSIA
Flowing Pressure: P PSIG 16	+ 12 = PSIA 28	Working Pressure: P <sub>w</sub> PSIG + 12 = PSIA	
Temperature: T = 56 °F	n = Ft = 1.004 .85	Fpv (From Tables) 1.004	Gravity .650 Fg = .9608

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

$$Q = 12.365(28)(1.004)(.9608)(1.004) = \underline{\quad 335 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{198916}{197691} \right)^n = 335(1.0062)^{.85} = 335(1.0053)$$

$$Aof = \underline{\quad 337 \quad} \text{ MCF/D}$$

Note: Well blew dry gas throughout test.  
Well vented 43 MCF to the atmosphere.

TESTED BY L. Nations

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

*C.R. Wagner*  
Well Test Engineer

