

The pressure in the chamber
was calculated using the following
Formula:

$$P = \frac{1}{2} E \epsilon \left[\left(\frac{r_o}{r_i} \right)^2 - 1 \right]$$

where

P_i $\equiv$ chamber pressure

E $\equiv$ measured strains

r_o $\equiv$ outside barrel radius

r_i $\equiv$ inside barrel radius

This method of pressure measurement
is per A.A. H. Glick's 1965 report
"Rifle Pressure with SR-4 Strain Gauges"