

DATE

SUBJECT OF EXPT.

I - 23 - 44

Short on 724 Main Spring

FIRED LENGTH = 2.375

COCKED LENGTH = 2.030

 $d = .055$ $D = .395 - .055 = .340$

19# at 2.375 = 6th ENERGY

STACKED L = 2.030 - .600 = 1.430 = 25 Active Coils

 $P = 13.4 F$ $13.4 (L - 2.375) = 20\#$ $L = 3.65$

FIRED P = 18#

COCKED P = $(3.66 - 2.030) 13.4 = 21.8\#$ STACKED P = $(3.66 - 1.43) 13.4 = 30.0\#$ $S = P(\sqrt{200})$ FIRED S = $1800 \times 20 = 93500$ COCKED S = $21.8 \times 200 = 113,000$ STACKED S = $3000 \times 30 = 156,000$ $5200 \times 32 =$

$$\begin{array}{r} 134 \overline{) 1.343} \\ \underline{1340} \\ 30 \\ \underline{300} \\ 30 \\ \underline{300} \\ 30 \end{array}$$

$$\begin{array}{r} 1343 \\ 2375 \\ \hline 3668 \end{array}$$

$$\begin{array}{r} 15 \\ 134 \overline{) 2.00} \\ \underline{1340} \\ 660 \\ \underline{670} \end{array}$$

$$\begin{array}{r} 3.50 \\ 143 \overline{) 3.50} \\ \underline{350} \\ 0 \end{array}$$

$$\begin{array}{r} 3.50 \\ 143 \overline{) 3.50} \\ \underline{350} \\ 0 \end{array}$$

$$\begin{array}{r} 160 \\ 146 \overline{) 160} \\ \underline{146} \\ 14 \end{array}$$

$$\begin{array}{r} 3000 \\ 113 \overline{) 3000} \\ \underline{1130} \\ 1870 \\ \underline{1130} \\ 740 \end{array}$$

$$\begin{array}{r} 3375 \\ 850 \overline{) 3375} \\ \underline{850} \\ 2475 \\ \underline{2475} \\ 0 \end{array}$$

$$\begin{array}{r} 156000 \\ 156 \overline{) 156000} \\ \underline{15600} \\ 0 \end{array}$$

set from to

156000

EXPERIMENTER

WITNESS

DATE

DATE