

12

DATE

I - 23 - 44

SUBJECT OF EXPT.

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 = $21.8 \times \sqrt{200} = 113,000$ STACKED S = $3000 \times 30 = 156,000$ $5200 \times 32 =$

$$\begin{array}{r}
 13.4 \overline{) 180} \\
 \underline{134} \\
 460 \\
 \underline{402} \\
 580 \\
 \underline{536} \\
 440
 \end{array}$$

$$\begin{array}{r}
 13.4 \\
 \underline{23.75} \\
 36.65
 \end{array}$$

$$\begin{array}{r}
 13.4 \overline{) 200} \\
 \underline{134} \\
 660 \\
 \underline{670} \\
 10
 \end{array}$$

$$\begin{array}{r}
 3.50 \\
 1.43 \\
 \underline{2.07} \\
 6.34 \\
 \underline{9.48} \\
 11 \\
 2.375 \\
 \underline{3.17} \\
 1.5
 \end{array}$$

$$\begin{array}{r}
 3.50 \\
 1.43 \\
 \underline{2.07} \\
 6.34 \\
 \underline{9.48} \\
 11 \\
 2.375 \\
 \underline{3.17} \\
 1.5
 \end{array}$$

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

$$\begin{array}{r}
 3000 \\
 \underline{113} \\
 2887
 \end{array}$$

$$\begin{array}{r}
 3375 \\
 \underline{850} \\
 2425
 \end{array}$$

$$\begin{array}{r}
 156000 \\
 \underline{113000} \\
 43000
 \end{array}$$

set from to

156000

EXPERIMENTER

WITNESS

DATE

DATE