

CONFIDENTIAL

10/23/92

To: T.C. Douglas

From: J.H. Coyle *JHC*

Subject: Monthly Report

270 Win 135 gr. ER:

The loading experimental run and the ballistics testing have been completed with the following results:

Pressure: 59300 psi

Velocity: 2994 fps (instrumental)

Accuracy: 1.0" @ 100 yards - avg. of 3/5 shot groups

Mush: 76% weight retention at 200 yards - avg. of 5 shots

F & C: 40 rounds fired with no problems

A data transmittal was completed with production and process personnel on 10/9/92.

A trial & pilot of 100M is scheduled for November.

30-30 Win 160 gr. ER:

A loading experimental run and the ballistics testing have been completed. The results from the ballistics testing produced the following results:

Pressure: 39500 psi

Velocity: 2261 fps (instrumental)

Accuracy: 1.2" @ 100 yards - avg. of 3/5 shot groups

Mush: 89% weight retention @ 100 yards - avg. of 5 shots

F & C: 40 rounds fired with no problems

A data transmittal was completed with production and process personnel on 10/9/92.

A trial & pilot of 100M is scheduled for November.

LEADLESS BULLET (Copper):

More work should be started on the .30 cal copper bullet during the next month. This is dependent on the availability of the CNC machine.

Two samples of bullets will be made using C110 and C145 copper. Accuracy and mush testing, along with V&P testing, will be done on the two materials.

CNC MACHINE:

The majority of the time this month has been spent machining slugs and sabots for V. Scarlata for testing. Slugs have been made for the writers seminar in November.

Sabots from lexan have been completely machined. Previously, the sabots were machined and then slotted on a milling machine. This step was eliminated by using a milling attachment that has been mounted on the CNC machine.

A quantity of slugs will be machined for a loading experimental run in the near future. The amount has yet to be determined.