

CONFIDENTIAL

5/1/92

To: T.C. Douglas

From: J.H. Coyle *J.H. Coyle*

Subject: April Progress Report

**EXTENDED RANGE**

6mm Rem 105 gr. ER - When T&P was started for this product, the bullets would not meet the comparator chart due to a blunt ogive. These bullets were shot for mush and had jacket - core separations. A longer jacket was made which eliminated the blunt ogive and made the bullet pointed as it should be. Mush testing was also satisfactory. When a production quantity of these jackets was attempted, there were problems on the Perkins press. Some draw dies were out of spec., so new ones were installed. These new dies resulted in a two grain drop in the jacket weight and also a thinner wall. When these bullets were tested for mush, there were jacket - core separations. All these jacket samples were made using the 243-100 PSPCL die stack and punch block with the exception of the final draw punch.

To try and duplicate the original experimental jacket, another final draw punch was made. Using this punch with the 243 - 100 punch block, and the die stack for the 243-80 PSP, which uses larger draw dies, raised the weight of the jacket by two grains with a thicker wall. When the bullet assembly machine became available, bullets were made with these jackets. Bullet profile was satisfactory. Mush testing of these bullets produced no jacket - core separations with weight retention of 62%.

The process for making this latest jacket has been transmitted to process.

270 Win 135 gr. ER - A jacket sample has been made but is unacceptable. New draw punch drawings are presently being made. These punches will be made in-house and should be completed by 5-15-92.

Bullet assembly tooling has a due date of 5-25-92.

30-30 Win 160 gr ER - Jacket draw punches are to be made in-house and should be completed by 5-15-92. A handmade bullet was sent to marketing and was said to be satisfactory. This bullet was made with standard production dies.

**LEADLESS BULLET (Copper)**

30 Cal. 150 gr. - Samples have been produced on the CNC machine and shot for accuracy & V/P. Accuracy was 2.0" @ 100 yds. with a velocity of 3071 and a pressure of 59000 psi. This bullet utilized a driving band with a boattail design. More work will be done to enhance accuracy.

6.5 x 55 SWEDISH MAUSER

Preliminary work has been started for this product. Taper die drawings should be completed by 5-4-92. Draw, heading, & head-turn tool drawings still have to be made. These drawing should be completed by 5-11-92.

Bullet selection for this product has not been decided at this time. A suggestion was made at the April ammo team meeting of possibly using the current 264 - 140 PSPCL bullet.

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