

To: JWB
From: RSM

Subject: Monthly Report - April - 85

New Bolt Action Rifle RSM, FEM, FHS

The completion of the first phase of developmental jcr-off testing has left us short of our design goals. An analysis of the test data and design ^{showing} was indicated what we need in the second generation design to fulfill the performance requirements. A layout and mass properties study of the trigger is being done to determine if a redesign to meet the design parameters is feasible.

Since our initial drop test results did not look favorable the contingency design is being updated to incorporate the design features desired in the new firecontrol. Specifically, the bolt lock must be added, the safety must be relocated to the tang and the firecontrol adjustment must be relocated.

A schedule to test NBAR sub-assemblies in M700 test vehicles has been developed and is being implemented.

High Velocity Limited Range Center Fire

Fit Smith C.F. deStardius

The non-standard custom barrels purchased for the ammunition development are still in the Custom Shop to be lubed, chambered, and instrumented. They have been given a very low priority, are being worked in to a busy schedule and have been there over six weeks.

First generation prototype ammunition has been finalized and can be loaded in one day when the barreled actions are ready.

M/700 Classic .380 Rem. Mag. F.I.S.

A second trial and pilot sample of guns has been tested for accuracy and field function with acceptable results. The visual inspection is being held pending the receipt of rifles with the correct stock reinforcement screw configuration.