

August 5, 1993

TO: R.A. Jackson  
FROM: W.A. Warren, Jr.

PROGRESS REPORT July 1993

M700 VS. Long Action "Sendero Special" (1993 "Shot Show Special")

This project is complete. The second Trial & Pilot sample was accepted by the Lab. on 7-26-93. Accuracy specs. have been revised to reflect use by the long-range big game hunter. After hand-chamfering the muzzle, 10 of 10 rifles, in .300 Win. Mag., accuracy tested in the gallery, shot within 2"!

1994 Modification: fluted barrel (PI-2 5-18-93)

This will be a regular catalog offering beginning in 1994. The six longitudinal flutes in the barrel reduce the weight by approx. one-half pound and provide a distinctive appearance. This will be done on the "Sendero Special" in a way that maintains the ultimate strength of the current Magnum barrel; flute depth will not extend below the current Magnum profile. Rifle Engineering is making up a catalog photograph sample to this specification with the new crown.

To be done: provide drawing(s) of flute geometry and radial relocation of current barrel rollmark.

BASIC RESEARCH-RELEASE MECHANISMS

Measurement Apparatus: All of the major or long lead time purchased components have arrived. The force transducer system was due June 8. It was delivered July 12.

| <u>Status:</u>   | <u>Percent complete</u> |
|--|-------------------------|
| o specifying and purchasing major components                                       | 95                      |
| No change in following:  |                         |
| o purchasing, designing and fabricating small components                           | 10                      |
| o learning the operation and setup of the force transducer                         | 0                       |
| o " " " " " " displacement "   | 5                       |
| o linking above to the Tektronics transient data capture device                    | 10                      |
| o learning the programming and operation of the motor-driven motion control system | 5                       |
| o integrating the components and debugging their operation                         | 0                       |

NBAR:

Competitive patents have been received and are being reviewed.

DESIGN-RELATED

On an ongoing basis, I am assisting M. Keeney with his NBAR process-design integration program.

SAFETY

R&D safety committee: 10 hours. The committee recommendation to shorten the one year term of service was accepted. A brief draft charter proposal will be completed for review by mid-August.

TRAVEL

Four-day trip to Houston, TX to discuss liability concerns with Remington legal counsel.

MISC

I provided learning materials and written suggestions to promote needed changes within the ongoing Marketing Quality Audit Program.

VACATION