

MEASUREMENT LAB TEST RESULTS

REQUESTOR: R. Murphy TESTER: P. Conant DATE: 06/10/85
REPORT NO.: 851512 WORK ORDER NO.: C-5001-310
TEST TYPE: Safety Related Competitive Evaluation -- jar-off

FIREARM STAT'S : MODEL: _____ CAL or GAUGE: _____
BARREL TYPE: _____ PROOFED: YES ___ NO ___

REASON FOR TEST : To evaluate competitors firearms at minimum pull and maximum Jar-off height.

EQUIPMENT REQUIRED : The following guns: Ruger M/77, Smith & Wesson M/1500, Colt Sauer, Browning, Winchester M/70, Sako and Weatherby Vanguard.

TEST PROCEDURE : The guns were loaded with dummy rounds in the chamber and in the magazine. Each gun was then raised to a height of 1 foot and dropped with the stock striking the 90 durometer mat. The guns were then dropped from greater or lesser heights depending on the outcome of the 1 foot drop. The three drops were continued at the various heights until the gun fired on all three drops.

TEST RESULTS : Of the seven guns tested, the Colt Sauer and Browning did not jar-off at any height. It was noticed that at the greater heights of 36", the safety jumped into safe position before either the Colt or the Browning fired. This occurred each time the guns were dropped.

Below is a table showing the tested guns and the heights at which they fired.

| Gun type | Jar-off height |
|------------|----------------|
| Sako | 18" |
| Ruger | 16" |
| S&W M/1500 | 29" (*) |
| Weatherby | 24" |
| Winchester | 3" |
| Colt Sauer | Would not fire |
| Browning | Would not fire |

* The stock on the S&W M/1500 broke at 24"