

MONTHLY PROGRESS REPORT - July 1980

7-28-80
JRPalmer:T21mm Seismic Gun

The inertia retract model has been fully tested. Two of three bolts have fired 2072 and 2100 rounds and one bolt has been preliminary endurance tested to 10,000 rounds. There were 35 bad shells and 1 misfire that fired on a second try, for an overall failure rate of 36 or 0.25%.

The 95% confidence interval limit of reliability places us at a single gun reliability of 99.66%, or a three (3) gun reliability of 98.98%.

Fifteen more blocks have been built and are in the process of being final assembled for proofing.

The fifteen guns will be shipped when the delay fire phenomenon experienced in our simultaneous firing demonstration has been investigated and corrected.

One gun of the original 15 will be held for repairs because of heavy use during the testing.

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