

March 20, 1980

21mm SEISMIC GUN

~~15~~ <sup>an</sup> 15 guns have been through interchangeability test and preliminary results indicate that ~~the~~ <sup>breech</sup> blocks <sup>can be made completely</sup> interchangeable ~~with~~ <sup>if necessary,</sup> any guns except for one block in one gun. This block was interchangeable in every other gun and its lack of fit in the one gun is being investigated.

~~Results of the interchangeability test will be tabulated and discussed further in a letter to follow. Briefly, the results indicate~~ <sup>The</sup> that neither the ammunition nor the gun at their present levels of development are acceptable products. Presently the gun is being redesigned to eliminate the <sup>malfunctions</sup> ~~problems~~ encountered in the interchangeability test. In light of this, ~~it is felt that~~ <sup>shooting</sup> the test program ~~should~~ <sup>will</sup> be suspended until the redesign is complete. We will ~~continue~~ <sup>Proceed</sup> with a ~~reduced~~ <sup>test</sup> mechanical dry cycle to determine the endurance of the present design. ~~The electric dry cycle will be suspended as the proposed redesign will incorporate a tungsten firing pin tip. Since the design is being changed it is felt that to fire 20,000 rounds using an old design would be a misuse of the limited ammunition supply.~~

<sup>Testing</sup> ~~This suspension will necessitate the delay of completion of~~ <sup>Test</sup> of redesigned parts will be complete by ~~the tests to~~ approximately April 15, 1980.