

March 20, 1980

21mm SEISMIC GUN

~~15~~ 15 guns have been through <sup>an</sup> 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 will</sup> the test program ~~should~~ <sup>Proceed</sup> be suspended until the redesign is complete. We will ~~continue~~ <sup>test</sup> with a ~~reduced~~ 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>of redesigned parts will be complete by</sup> ~~the tests to~~ approximately April 15, 1980.