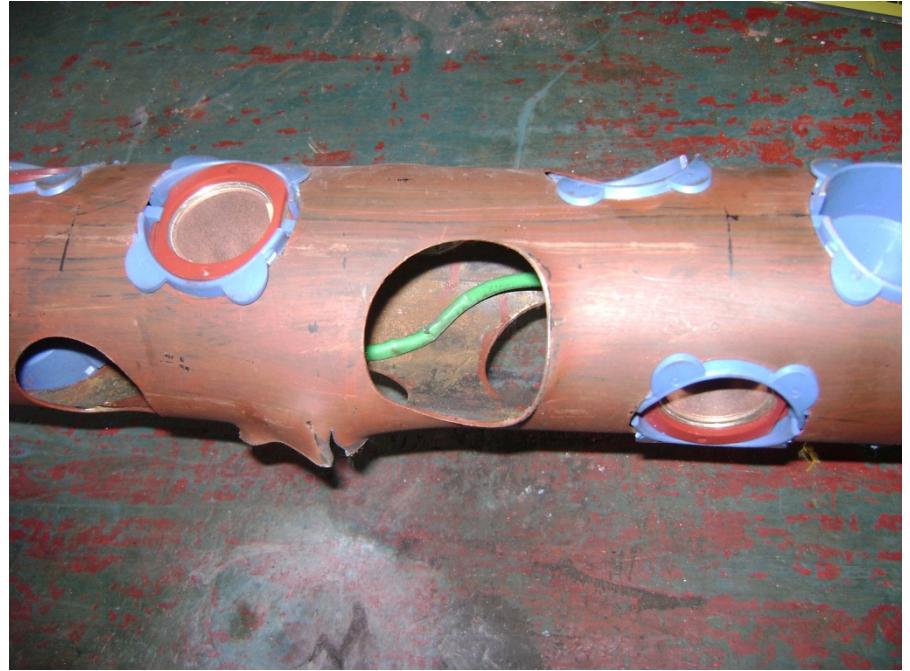


- Incident
- Date: Sept 2010
- Location: Indonesia
- Environment: Land
- Type of Operation: Gun Loading
- Incident:

Gun loader was downloading charges from a 10 ft, 4-1/2" loading tube in the gun shop. The charge was not easily coming out of the loading tube and the gun loader decided to use a screwdriver to force the charge out of its jacket. Many charges were successfully downloaded until screwdriver entered primer column pinching primer against column edge. Applying force on the primer of the shaped charge caused the charge to initiate. As a result from the low order detonation, metal fragments hit both of his legs and heavy smoke irritated his eyes



- Damage to property/equipment: minor
- LTI: Yes, minor abrasions
- Fatality: No
- No. Involved: 1
- Lessons Learned:
 - Never use force on explosive material.
 - Only designated handling tools are to be used.
 - Only authorized and trained personnel can handle explosives.

- Incident
- Date: June 2010
- Location: Mexico
- Environment: Land
- Type of Operation: Wellsite
- Incident:

Rigless perforating operation with crane truck in Mexico. Engineer and crew had just finished arming for the fourth 30ft, 3-3/8" gun run. The gun was on the tool stands with the head connected and armed. The crew was taking their positions to raise the gun into the lubricator. Before the gun was lifted from the tool stands, the gun detonated suddenly due to a nearby lightning strike . All the crew members were out of the line of fire and luckily sustained only minor injuries. There had been reports of weather changes in the area of operations.

- Damage to property/equipment: minor
- LTI: Minor injuries
- Fatality: No
- No. Involved: 3
- Lessons Learned:
 - Always keep the line of fire clear during arming! Always practice the ALARP concept when working around an armed gun or explosive device.
 - During pre-job planning, consult a local weather forecast for potential of lightning storms. If lightning can be seen, thunder can be heard, or weather is deteriorating rapidly, attaching the head to the gun string, arming, disarming, and/or handling of any explosive device must not be initiated.
 - All high-risk locations implemented a global Lightning Data program. Monitors electrical activity in the area.