**Title:** Fire during well subduing operation  

**Location:** Activation Tank  

**Activity Type:** Production Testing Operation  

**Result/Outcome:** Burn injury on hand & face  

**What Happened?**  
During the well subduing operation at a work-over rig, the rig crew observed sound and flash coming out from the engine exhaust of mud pump. Immediately, there was a fire around activation tank and mud pump area. Two crew members, working on mud pump near the activation tank, sustained burn injuries on hand and face. It took nearly 45 minutes to extinguish the fire with external help.  

**What Caused It?**  
1. The activation tank was placed very close to the diesel engine operated mud pump.  
2. As the mud pump was running, the spark from the exhaust of mud pump engine ignited the gas cloud which may have formed during displacement of brine and gas from the well to the activation tank. This resulted in fire around the mud pump and activation tank area.  

**Corrective Actions:**  
1. Production testing oil storage tank should be placed at a distance of 30M from the well opposite to engine.  
2. Production testing oil storage tank should be double earthed.  
3. Gas concentration should be recorded at regular intervals during production testing.

*It is provided for information purpose. This information should be evaluated to determine if it is applicable in your operations, to avoid reoccurrence of such incidents.*