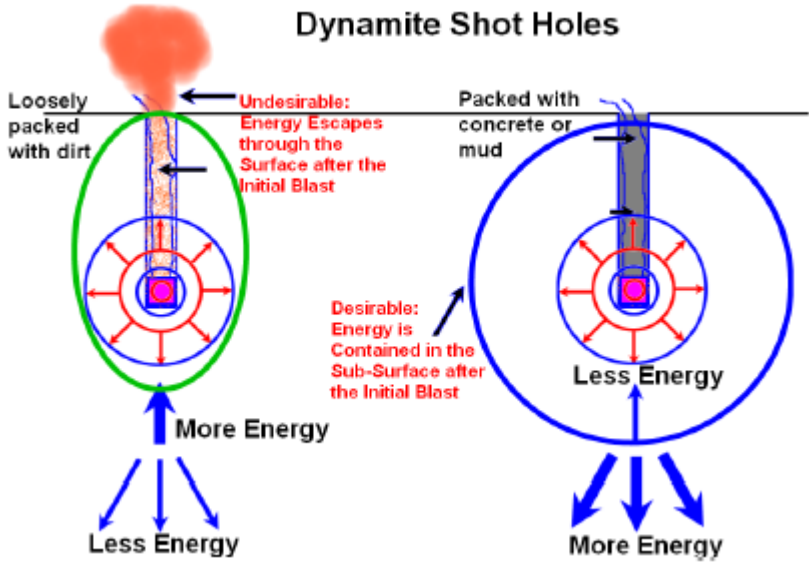


Operations in a seismic survey using shot holes are depicted. These operations include: Surveying, laying cables, planting geophones, drilling shot holes, charging holes with dynamite sticks, handling explosives, remote detonation of shot, recording and monitoring shot records. Shot holes are drilled to varying depths dependent upon the near surface conditions. Dynamite is exploded at the bottom of the shot hole. Drilling mud reduces the energy released into the atmosphere.



Shot Blast



Recording Truck



Recording Equipment



Monitoring Records



Station Positioning with GPS



Land Survey using Total Station



Geophone Strings



Deployment of Geophones



Drilling Shot holes



Explosives Isolation



Charging Shot Holes



Remote Blasting