

# Mc Perfor

## Semi mechanical hand drilling for hard ground layers



### Context

In many countries the new manual drilling options as Rota sludge and Baptist drilling are introduced. However in areas with hard ground layers as sand stone, laterite etc manual drilling is difficult and can be very tiring. The Mc Perfor is a new development that combines an improved Rota sludge drilling tool of 1 1/2" drill pipes with an engine to lift the heavy drill pipe. In Nicaragua some 100 boreholes have been drilled with this technology up to 54 meters deep in hard ground layers. This technology may also have potential in Asia and Africa.



The Mc Perfor mounted on a tripod



The drill bit is lifted with an engine



Rotation to increase drilling speed



A reamer drill bit for casings up to 6 inch