the primary (Vp) and secondary (Vs - chargeability) fields.

METHOD - Down-hole IP.

For the down-hole surveys a 2½ metre 3 array was employed with an infinite current electrode placed on the surface 270 metres away towards the north on line 1300E. A moving current electrode was positioned at the bottom of the hole, with a 2½ metre potential dipole 2½ metres away. Measurements were made starting at the bottom of MD-39 and going upwards. This method was repeated using a 20 metre 3 array. Three slices under the decay curve were measured for chargeability using a 2 second square wave pulse.

DATA PRESENTATION

The down-hole 3 array is plotted at the mid point of the two potentials. All data is plotted on standard Shell geophysical log sheets at a scale of 1 centimetre = 50 metres.

METHOD - Applied Potential.

A current electrode was emplaced at 200 metres down drill-hole MD-39. Two infinite electrodes of opposite sign were employed, placed in a grid north-east : south-west direction. The north-east electrode was at a distance of 1670 metres and the south-west at around 1450 metres.