

CORE ANALYSIS

The Core Analysis Division of Geotechnical Services offers a comprehensive range of both routine and special core analyses of consolidated and unconsolidated cores at ambient conditions as well as at elevated temperatures and pressures. The division also provides well site services such as stabilization of unconsolidated core on the rig.

In addition to core plug, sidewall core and MSCT samples, the laboratory can conduct routine analyses on whole core at ambient and overburden conditions.

"GEOTECH'S CORE ANALYSIS DIVISION HAS BEEN ANALYSING CORES CUT IN AUSTRALIA AND OTHER COUNTRIES IN THE ASIA-PACIFIC REGION FOR MORE THAN A DECADE"



The division also fabricates new equipment and conducts case studies, as required.

Geotech's Core Analysis Division has been analysing cores cut in Australia and other countries in the Asia-Pacific region for more than a decade. Geotech has considerable experience on the North West Shelf of Australia and it is noteworthy that the company was awarded a contract in 1993 to analyse what was then the longest core cut in the southern hemisphere.



SERVICES

Routine Analyses: Surface core gamma, fluid saturation, mini-probe permeametry, core photography (white and ultraviolet light), porosity/permeability at ambient and overburden conditions on core plugs and whole core.

Special Core Analyses: Formation resistivity (formation factor and resistivity index), capillary pressure (porous plate, centrifuge and mercury injection methods), basic water flood, gas flood, relative permeability, formation damage, pore volume compressibility, wettability (Amott/U.S.B.M method), liquid permeability, residual gas, capillary suction time, sieve analysis, Brinell hardness.