



From data to solutions • Subsurface Evaluations • **Laboratory Services** • Recruitment Services

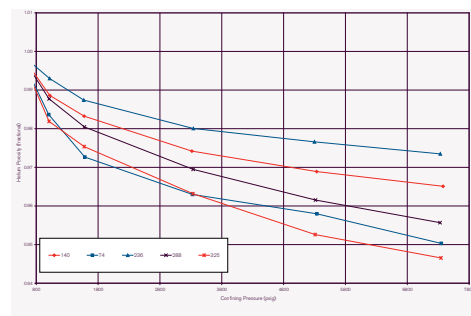
Core Analysis

Conventional core analysis services:

- Core storage and viewing
- Onsite analysis
- Core imaging
- X-ray tomography
- Fluid saturations
- Cleaning studies
- Porosity, permeability, grain density and mini permeability
- Whole core and cuttings analysis

Conventional Core Analysis

Since 1988, PanTerra Geoconsultants has been providing core analysis services for the international E&P industry, establishing a reputation for quality and reliability. At PanTerra, customer focus is paramount. We take a pro-active approach to develop the best program for each individual customer offering guidance, recommendations and expert advice. PanTerra diverse experience makes us exceptionally competent to assist our customers worldwide with their core analysis challenges. With our extensive, ISO 9001 - 2008 accredited laboratory facilities and state-of-the-art equipment we offer a full range of services and are able to handle large amounts of core with fast turn around times. Our large-scale storage facilities are ideal for long term storage of core including fully equipped core viewing facilities.

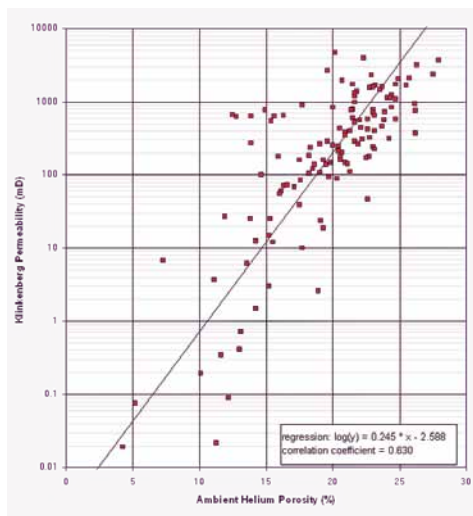


Confined porosity results

Our quality control procedures ensure all results are thoroughly checked before submission.



Core samples



Porosity-Permeability quality control



Automated permeameter porosimeter



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Core Analysis

Special core analysis services:

- Capillary pressure
- Relative permeability
- Rock mechanics
- Acoustic velocity
- Wettability studies
- NMR
- Seal capacity studies
- Customised laboratory testing

Special Core Analysis

In addition to conventional core analysis, PanTerra offers a full range of special core analysis (SCAL) services to refine log interpretations and for the prediction of hydrocarbon saturation, distribution and production. Our highly skilled and dedicated team is committed to quality, reliability and customer focus.

In order to provide the best service possible our team constantly looks to optimise the operation within the laboratory. As an independent special



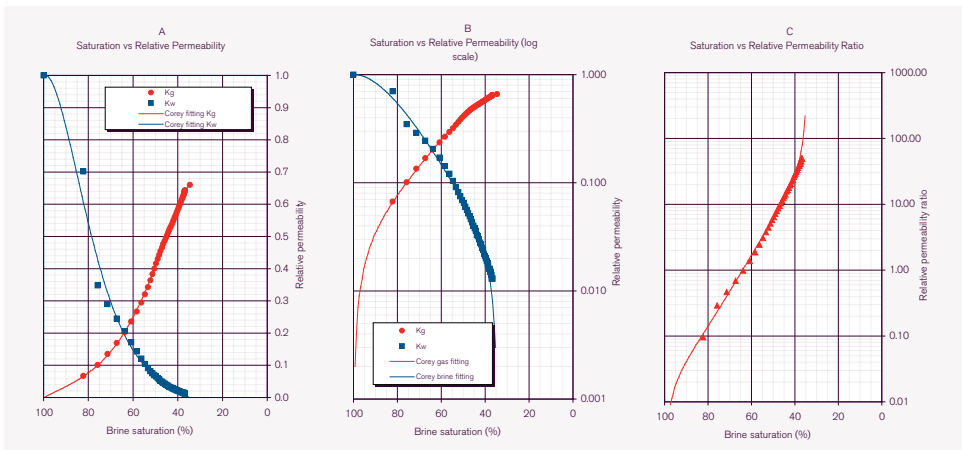
Soxhlet cleaning

core analysis laboratory we are able to react rapidly to service clients in any of the oil markets worldwide.

PanTerra is constantly investing in new equipment to extend our capabilities and increase our capacity. PanTerra employs a highly qualified project team and value is placed on their continuous education.

An extensive maintenance and calibration system is operational ensuring the reliability of all equipment. The quality assurance system ensures that all equipment is validated before use; ensuring optimum results are subsequently reported.

PanTerra unique integrated approach of laboratory services and subsurface evaluations allows us to maximise the value of core-derived data for a comprehensive reservoir characterisation.



Relative permeability results



Ultra centrifuge



Hydrostatic PCRI core holders

