



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

Production Chemistry

Production chemistry services include:

- Rock-fluid and fluid-fluid interactions
- Analysis of debris and scales
- Onsite water sampling and analysis
- Hydrate, wax and asphaltenes precipitation and deposition analysis
- Chemical screening
- Oil sampling and characterisation
- Specialised equipment and techniques such as XRD, SEM, EDX, LPSA and wet chemistry analysis

Improving the efficiency of oil recovery, especially in mature fields, is becoming increasingly important. As a specialist of providing integrated geological services to the international E&P industry, PanTerra provides tailor made solutions to client's production challenges. Through the analysis of reservoir fluids in our fully equipped state-of-the-art laboratory we are able to provide solutions to prevent the loss of production due to factors such as formation damage, scaling and corrosion but also sand production. Additionally, to increase recovery factors, PanTerra offers enhanced oil recovery screening. We take pride in our reputation for quality and customer focus. With our team of highly motivated professionals, including production chemists and reservoir engineers among other disciplines, we are able to provide you with top-quality technical advice.

As an independent company, PanTerra serves clients worldwide fast and efficiently. We integrate laboratory test results with practical field experience to determine the necessity for chemical treatment, optimise the selection of chemicals and undertake chemical compatibility screening. This includes formation and reservoir fluids compatibility analysis. At PanTerra we can translate laboratory results into solutions applicable for your field development.



SEM analysis



Fluid preparations

Applications:

- Controlling corrosion
- Enhanced oil recovery
- Scaling prevention and control
- Sand control
- Formation damage control
- Stimulation
- Drilling, completion and treatment
- Fluid optimisations

