

Coal Seam Methane Analytical Services

Unconventional Gas

Gas production from coal beds is a developing energy resource in Australia. Internationally, the USA, Europe, China, and Canada have programs aimed at unconventional gas recovery.

Coal Seam Methane (CSM), also known as Coal Bed Methane (CBM) and Coal Seam Gas (CSG), has seen dramatic growth over previous years and now accounts for over 13% of Australia's domestic gas supply.

Geotechnical Services

Geotech's laboratory serves as an independent technical services organization, providing industry with high quality laboratory services. Our technical staff provide clients with accurate, relevant analytical solutions through all phases of oil and gas exploration and production.

Geotech has been providing core and geochemical analyses to the petroleum industry for over 20 years and have developed a range of additional services, such as environmental chemistry and ecotoxicology, as the needs of our customers have expanded.

Geotech offers a suite of field and laboratory services designed to assist in characterisation of CSM reservoirs. Additional analyses are available for assessment of produced waters to determine acceptable usage or disposal options.

For additional information and enquiries, please contact:

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CSM - Field Services

To enable accurate desorbed and lost gas assessments, Geotech provide the following services in the field:

- Well site core handling
- Reservoir temperature desorption

CSM - Laboratory Services

Continued analysis of cores in the laboratory is no less important than in the field.

Long term desorption is performed in the laboratory as are a range of other analyses, including:

- Residual gas determination
- Adsorption isotherm analysis
- Gas composition
- Maceral description
- Vitrinite reflectance
- Proximate analysis
- Density
- Porosity
- Permeability
- Gas isotopes
- Core gamma logging
- Photography
- Water/brine analysis

