GeoConsult Pty Ltd is a progressive and multi-disciplinary company of consulting geoscientists and affiliated industry professionals offering a complete range of services in Mining and Exploration; project management, mine geology, resource analysis and geological modelling, Coal Seam Gas (CSG/CBM); project management, wellsite geology and onsite desorption. Laboratory; coal quality analysis and testing, gas composition & content analysis.

GeoConsult has provided comprehensive consultancy services in the field of Coal Seam Gas, Gas Drainage and Petroleum throughout Australia and the Pacific region since June 1994. Our involvement in an extensive number and variety of projects has ranged from coal seam gas desorption to resource and reservoir evaluation.

Our staff are experienced professionals supported by the latest testing and analytical instrumentation and computing facilities. This combination results in a confident and comprehensive technical understanding of projects, leading to a high level of credibility in our recommendations and to practical and cost effective outcomes for our clients.

Coal Seam Gas and Petroleum Exploration

- Well site geology and total project management.
- Planning, scheduling and logistics of drilling programs for gas reservoir assessment, gas emission, reservoir deliverability parameters and seam gas hazards.
- Basin analysis, target selection and play evaluation.
- Seismic survey design, implementation and interpretation.
- Comprehensive reporting of coal sample gas desorption data.

Coal Seam Gas Resource and Reserve Development

- Providing the complete package for coal seam gas solutions.
- Adsorption isotherm, vitrinite reflectance and maceral analysis.
- Resource and reservoir evaluation studies (1P, 2P & 3P) and advice on coal seam gas implementations and stimulation treatments.
- Supervision, interpretation and analysis of pressure transient (packer) testing and hydraulic fracture stimulation treatments.
- Coal Seam Gas production well drilling supervision and performance monitoring.

Analytical Services

- AS 3980 compliant slow desorption gas content method (Q₁, Q₂, and Q₃).
- Compositional analysis of desorbed gas and analysis of residual gas (Q₄) for target coal seams.
- Lithological logging of core, technical evaluation and modeling of gas contents.
- Coal mine gas emission and hazardous gas analysis.
- Analysis and interpretation of geological and coal seam gas resource/ seam gas hazard data for reserve estimation and underground mining assessment.

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