# Position Description

## Research Projects – CSOF3 to CSOF4

(Appointment will be made at level 3 or 4 depending on skills and experience)

The following information is for applicants

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| Advertised Job Title**:** | Engineering Geologist/Reservoir Geologist |
| Job Reference: | 58817 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 45% |
| Percentage of Client Focus - External: | 55% |
| Reports to the: | Team Leader - Energy |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries  | Dr. Qingdong Qu via email Qingdong.Qu@csiro.au |
| Contact Details For Applying | Call 1300 984 220 or email careers.online@csiro.au.  |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon  |

## Role Overview:

The role of Research Projects staff in CSIRO is to collaborate in scientific activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental and observational work, and in carrying out the more practical aspects of the work.

Working as part of CSIRO’s Energy Business Unit, the role of Engineering Geologist/Reservoir Geologist will support the coal mining geomechanics related research, and bring new capability to enhance the integration of geology, geophysics, gas and geomechanics in coal mining research. The appointee will also conduct literature and technology reviews, and assist in project development, reporting and the publication of results.

## Duties and Key Result Areas:

* Acquire field data including geology, hydrogeology, gas and geotechnical.
* Interpret geological information such as geological logs, geophysical logs, mapping, records and drawings, and identify key geological factors.
* Apply geological principles to the planning, design and implementation of geotechnical, geo-environmental and gas investigations
* Carry out field work individually and or part of the team to complete research and to support project requirements for the Coal Mining Program
* Contribute to geomechanics and coal mine gas reservoir modellling studies with geological conditions taken into consideration
* Participate in laboratory studies related to geomechanics, gas or other mining related experiments
* Conduct literature and technology reviews and contribute to the publication of research results
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work as part of a multi-disciplinary, often regionally dispersed research team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives.
* Allocate activities, direct tasks and manage resources to meet objectives.
* Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## Competencies:

1. **Teamwork and Collaboration: Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.**
2. **Influence and Communication: Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.**
3. **Resource Management/Leadership: Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.**
4. **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **Adaptability:** Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## Selection Criteria:

*Under CSIRO policy only those who meet all selection criteria can be appointed.*

1. Relevant Bachelor’s/Master’s Degree and/or equivalent experience in engineering geology, reservoir geology or reservoir engineering.
2. Interdisciplinary understanding in geology and engineering (mining, petroleum, coal seam gas)
3. Sufficient knowledge of rock, groundwater, coal seam gas and/or other natural systems.
4. Extensive experience in mining, petroleum or gas industry is preferable.
5. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks autonomously in support of scientific research.
6. Demonstrated ability & willingness to contribute novel ideas and approaches in support of scientific investigations.
7. A history of demonstrating professional and respectful behaviours and attitudes in a collaborative team environment.
8. Demonstrated ability building and maintaining both effective internal networks and collaborative partnerships with stakeholders proficiently and in a timely manner to achieve outcomes.

## Desirable Criteria:

1. Completed or studying towards a post graduate education (preferably a PhD).
2. Possession of current Australian’s driver’s licence.

## Special Requirements:

To be eligible for this position you must be willing and able to travel and undertake field work. **[Certain roles will require the ability and willingness to undertake specific non-negotiable activities or tasks, i.e. field work, or any other requirement which may affect a person’s ability to undertake the role, such as extended time away, high frequency of trips, remoteness/accessibility of locations, type/intensity of work, working at heights or in enclosed spaces etc.]**

Certain positions will require a medical and/or security assessment prior to commencement in the role (e.g. working at sea, secure labs, mine sites etc.)

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We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Energy](https://www.csiro.au/en/Research/EF)