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Daily Mercury (Mackay), Mackay QLD 31 Aug 2012

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BRIEF CQLDU

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Treatment rocks in filtration study

QU aids in coal seam gas research

test new coal seam gas water treatment technology which uses volcanic rock filtration.

University researcher Ben Kele is the linchpin in the project through his company Midell Wa-

CQUniversity is also involved as an institution through a memorandum of understanding with other key players and will be arranging one or two postgraduate students to help.

Coal Seam Gas (CSG) producer and explorer WestSide Corporation Limited have announced the establishment of the research partnership to test new CSG water treatment technology.

The companies have executed an agreement to build and operate the water treatment facility tainable management of water gas industries.

CQUNIVERSITY has helped es- incorporating Midell Water's co-produced by the CSG industry tablish a research partnership to technology at the Meridian has become a key concern for all SeamGas CSG joint venture busi-stakeholders. CSG water typicalness operated by WestSide at ly has high levels of salinity, sod-Moura in Queensland's Bowen icity and some metals such as bo-

The aim of the pilot plant is to the water is fit for safe reuse. treat the CSG water to a standard joined the partnership.

randum of understanding to dium salts. work collaboratively on sustainaof recycled water.

ron that require treatment before

As the CSG industry expands, that will enable it to be reused be-conservative estimates indicate neficially. To this end one of that at least 100 gigalitres of CSG Australia's leading consulting water per year will need to be firms on the beneficial reuse of treated in Australia. The majoritreated water, Arris Pty Ltd, has ty of this water will be produced in-land, adjacent to agricultural Midell Water, Arris, and CQU- areas. where the soils and the wa-Midell Water and Queensland niversity have signed a memo-terways need protection from so-

> Midell Water has extensively ble industry projects. Arris has a researched and developed a strong track record of successful- range of ion exchanging volcanic ly engaging rural communities in rock filter media blends that rethe safe management and reuse duce sodium salts, selected heavy metals, and hydrocarbons as-The safe treatment and sus-sociated with the petroleum and





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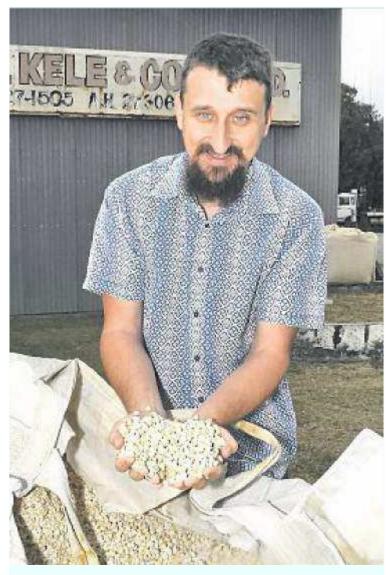
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FILTER MEDIUM: Ben Kele with volcanic rocks that could be used in filtering CSG water.

PHOTO: CONTRIBUTED