

GEOPOWER ENERGY LIMITED

EXPLORATION LICENSE
SEL37/2007
NORTH EAST TASMANIA

RELINQUISHMENT REPORT
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MINERAL RESOURCES		
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SEL37/2007

SEL37/2007 is a tenement covering 4786 SKM in North East Tasmania which was granted to Geopower Energy Limited on 25 August 2009.

Geopower Energy Limited proposed a model of producing 'hot rock' geothermal energy at the surface via hydraulic stimulation of sedimentary rocks above a high heat producing granitoid, then passing fluids through the fracture system and delivering them to the surface at approximately 150°C.

Work undertaken focused on gaining an understanding of the prospectivity of this area for geothermal energy production. Geopower was particularly interested in relatively shallow 'low temperature' thermal reservoirs in sediments at or above the contact of buried radiogenic granitoids with the objective being able to generate electricity using technologies which can effectively exploit temperatures in the range 150-180°C.

EXPLORATION COMPLETED DURING THE LEASE PERIOD

Three detailed studies were completed by Geopower Energy Limited period of the Tenement Lease. The first was an Independent Geologist's Report, authored by Malcolm Ward, which provided a detailed overview of the tenements geothermal prospectivity. A further two geophysical studies were completed by Dr Neil Allen which highlight four geothermal possibilities at relatively shallow depths.

- 1 Great Forrester River
- 2 Middle Great Musselroe River
- 3 Great Northern Plains – Boobyalla Sub-basin
- 4 Mathina sedimentd area to the north-east of Gladstone

All reports were included in the 2010 Annual Report.

ENVIRONMENT

No surface disturbing operations or surveys were conducted by the company.

CONCLUSIONS

Geopower Energy Limited was encouraged by the information and data initially produced but needed significant funding to undertake follow up work on the geological and structural settings of these areas derived from the technical literature, available drill hole data and field observations as well as identify and commence drilling potential sites.

Despite the technology proposed by Geopower Energy Ltd being innovative, able to utilise a lower production temperature, accessing different reservoir locations and rock type for the fracture system than most other 'hot rocks' geothermal projects in Australia, prevailing market conditions for the geothermal industry and lack of govt support result in the relinquishment.