

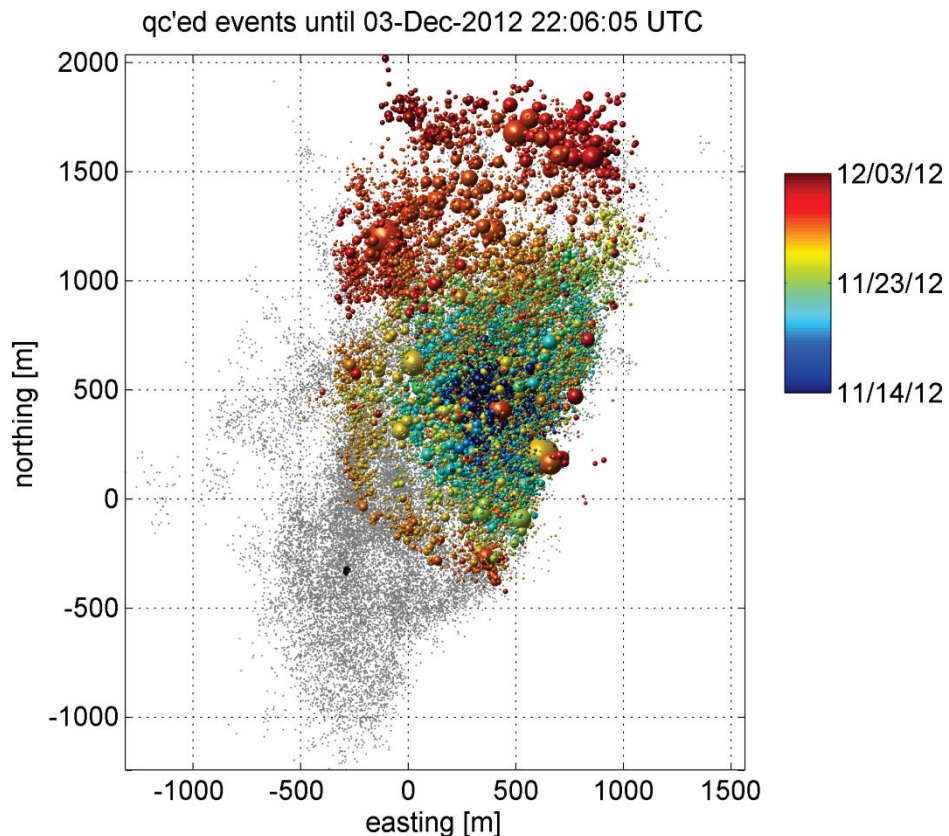
# *ASX Announcement*

**10 December 2012**

## **Major stimulation completed at Habanero 4**

Geodynamics Limited (ASX: GDY) is pleased to announce that it has successfully carried out a major stimulation of the Habanero 4 well over a 14 day period from 17 to 30 November 2012.

During the stimulation and the subsequent pressure decline after the stimulation ended, Geodynamics' seismic monitoring network detected more than 24,000 micro-seismic events. The following figure shows the areal extent of the micro-seismic events (as at 3 December 2012), extending up to 1,500 metres away from the well.



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The data from the stimulation is currently being processed and analysed to further understand the behaviour of the fracture system at Habanero. The reservoir will now be allowed to re-establish equilibrium conditions before conducting a third open flow test estimated to be carried out in February 2013.

For further information, please check our website ([www.geodynamics.com.au](http://www.geodynamics.com.au)) or contact Mr Geoff Ward on + 61 7 3721 7500. Media and investor inquiries may also be directed to Mrs Meredith Bird, Corporate Affairs Manager on +61 7 3721 7581.

A handwritten signature in black ink, appearing to read "Geoff Ward", written in a cursive style.

**Geoff Ward**  
**Managing Director and Chief Executive Officer**

— ends —

## **About Geodynamics**

*Geodynamics is the leading Australian geothermal exploration and development company. Geodynamics possesses some of the best geothermal resources in the world and is rapidly developing technology to exploit the resource. Geothermal energy has the potential to be a critical element of Australia's future power generation and Geodynamics is at the forefront of development.*

## **About Innamincka 'Deeps' Joint Venture**

Participants in the Innamincka 'Deeps' Joint Venture, which focuses on higher temperature Enhanced Geothermal Systems (EGS) greater than 3,500 m depth are:

Geodynamics Limited (Operator) – 70%

Origin Energy Geothermal Pty Ltd\* – 30%

*\*A wholly owned subsidiary of Origin Energy Limited (ASX: ORG)*

## **About geothermal energy**

*Geothermal energy offers the prospect of zero carbon, base-load energy generation. "Zero carbon" means that no carbon dioxide (CO<sub>2</sub>) will be emitted when generating energy. This is different from some other forms of 'renewable' energy, which still result in significant CO<sub>2</sub> emissions. "Base-load" means that power is available 24 hours a day, 7 days a week, all year round, and therefore can be used to meet energy needs at any time. This is a significant advantage compared to a number of other zero-carbon technologies that are more intermittent (such as wind, wave and solar power).*

*Geothermal energy produced from hot fractured rocks, also known as Engineered or Enhanced Geothermal Systems (EGS), is generated by special high heat producing granites located 3km or more below the Earth's surface. The heat inside these granites is trapped by overlying rocks which act as an insulating blanket. The heat is extracted from these granites by pumping water through fractures in the granite and bringing the hot water to surface. Geodynamics believes that energy produced using EGS technology is capable of generating base-load power at a cost that will be very competitive with other energy sources (both low carbon and otherwise).*