

Otway Basin Victoria

Petroleum Exploration (PEP171)



Update | March 2026

Sparger Seismic Survey

Beach is undertaking a 3D Seismic Survey (called 'Sparger') to identify new gas reservoirs in the Lake Mundi area.

Beach will use a safe and sustainable exploration method called 'seismic surveying' to determine the size and location of subsurface natural gas reserves in the area. Seismic surveys are a reliable non-invasive method for establishing a detailed subsurface image of geological structures to determine suitable drilling locations. This activity traditionally results in minimising the number of wells being drilled in a region as it reduces uncertainty.

Seismic surveys send sound waves (vibrations) into the ground and record the energy that bounces back from rock layer boundaries below the surface (e.g. sandstone and shale) so the earth's layers can be mapped out.

The technology measures reflected sound waves from underground layers, enabling geologists and geophysicists to determine the location and size of possible gas reservoirs.

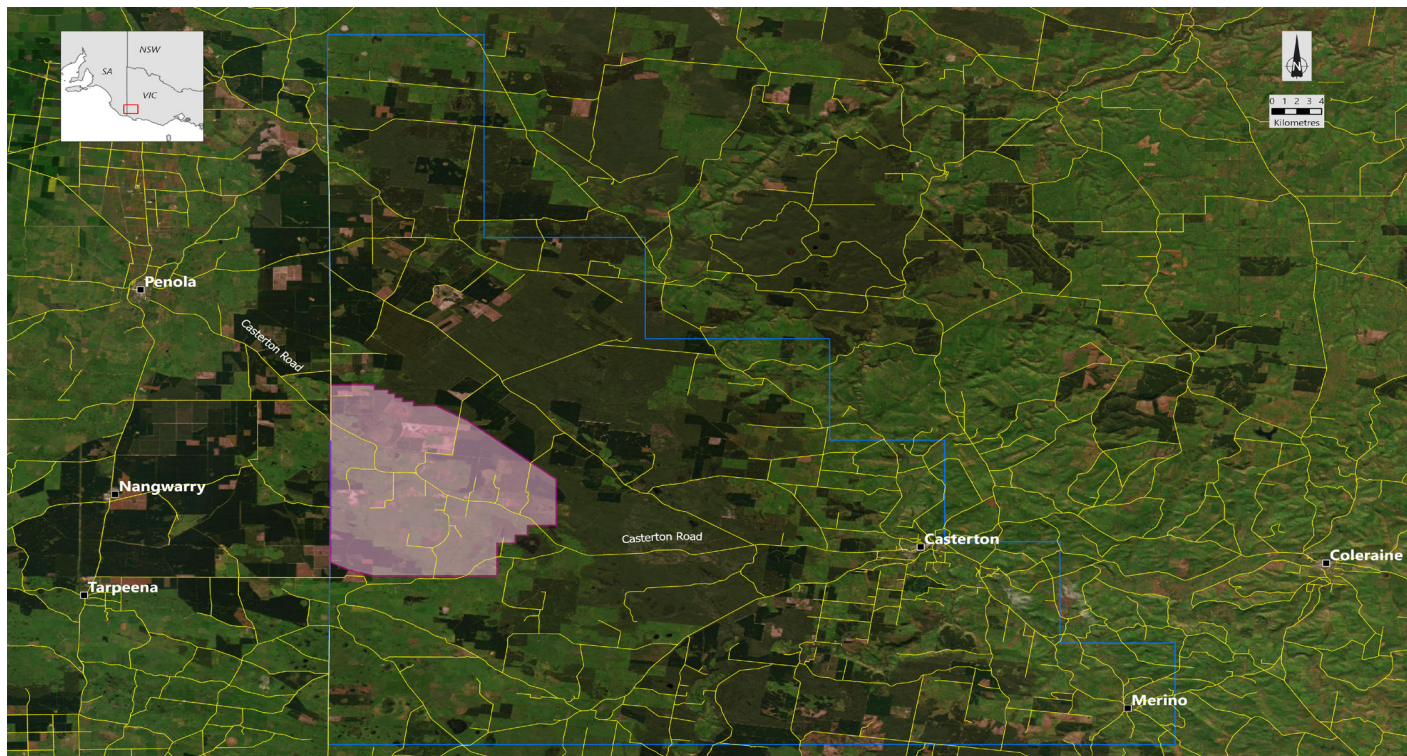
Beach will conduct a 3D seismic survey in the Lake Mundi region to obtain additional high-quality data to add to existing data that has previously been acquired. This survey will assist in 'filling in' seismic data gaps between past surveys and provide valuable insight to shaping future exploration activity in the region.

This survey is designed to:

- Provide high quality information
- Reduce timeframes
- Reduce disruption to the community, traditional owners, landholders and the environment

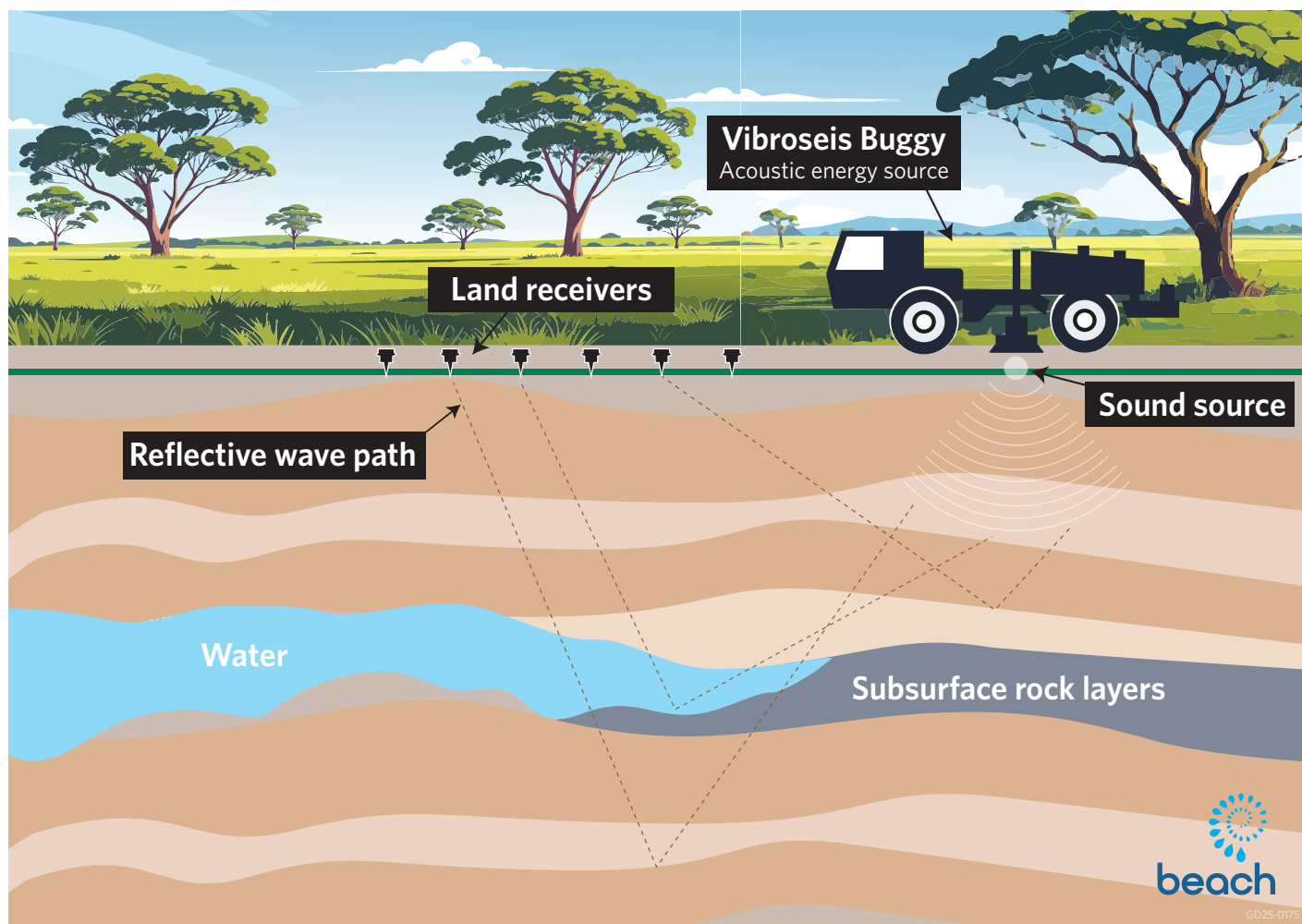
In order to undertake seismic surveys, necessary regulatory approvals must be obtained which include submitting an Environmental Plan outlining how operations will be conducted, together with stakeholder communications and how consultation is managed.

Operations map



Seismec survey overview

1. Sound waves are generated by a seismic source.
2. The sound waves travel through the earth until they are reflected at rock boundaries.
3. The reflections are recorded by thousands of sensors on the surface.
4. A supercomputer is used to create an image of the geology many kilometres below the surface.



Key Timings

The start dates and duration of the Sparger PEP 171 seismic survey is subject to weather windows and the availability of contractors. Activity will start late March 2026 and is expected to take between 6-8 weeks to complete. Beach will ensure that landholders and stakeholders are kept informed of timings to minimise disruption to operations.

Safety and the Environment

For Beach Energy, the safety of our people, the community and the local environment is our highest priority in any activity we undertake.

Beach operates within a highly regulated industry and must meet stringent environmental and safety standards in order to obtain approval to undertake any seismic activity in the permit area. In Victoria, seismic survey activity is regulated under the *Petroleum Act 1998* which requires an approved Environmental Management Plan (EMP) be developed and approved before activity commences. An EMP presents the environmental objectives against which Beach's performance is assessed. It provides a description of the activity and relevant land systems, identifies the actual and potential activity risks to stakeholders, and proposes mitigation strategies to prevent, minimise and/or manage potential risks.

Stakeholder Consultation

Stakeholder consultation is an important part of the approvals process. Beach understands that effective stakeholder engagement requires open, active and ongoing communication, and we are committed to working with the local community, landholders and our regional stakeholders to ensure people are well informed of key activities and timeframes.

Consultation is undertaken with:

- Government agencies including the Environmental Protection Authority, the Department of Energy, Environment and Climate Action and First Peoples State relations
- Key stakeholders including traditional custodians and landholders;
- Relevant statutory authorities, local councils; and
- The general public.

Landholders

Beach respects the rights and requirements of all landholders, and we will engage directly with landholders in the survey area to keep them informed of the Sparger Seismic Survey design and timeframes. We will also work together with landholders to minimise impacts.

Beach does not enter properties without the permission of landholders.

Traditional Custodians

The project survey will take place on the Traditional lands of the Gunditjmarra people, who are represented by the Gunditj Mirring Traditional Owner Corporation (GMTOAC). GMTOAC is a recognised Native Title Body Corporate (RNTBC), responsible for managing the rights and interests of the Gunditjmarra people. In addition, GMTOAC serves as a Registered Aboriginal Party under the Aboriginal Heritage Act 2006 (Vic).

Beach acknowledges and respects the Gunditjmarra people's enduring connection to country, which is reflected in their cultural and spiritual sites, language, and ceremonies.

Beach has consulted with GMTOAC and is committed to ongoing engagement during the course of the survey.

Contact Us

To contact us, please use our online engagement platform at EngageBeach.

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