

## Information Sheet

# Stockyard 2D Seismic Survey Activities

### 2D seismic survey within Shires of Carnamah and Coorow – March-April 2025

Mitsui E&P Australia (MEPAU) plans to conduct a 2D seismic survey from mid-March to mid-April 2025 within Exploration Permit EP 455 and Production Licence L 5, located southwest of Eneabba, between Indian Ocean Drive and Brand Highway within the Shires of Coorow and Carnamah (see Stockyard 2D Map).



Image: Vibrator truck acquiring data

EP 455 and L 5	Description
<b>Operation:</b> 2D seismic survey	Seismic surveying is a geophysical technique used to understand the structure of the rocks below the surface, using the information gathered to map layers of rock that may hold gas. Seismic surveys use acoustic energy (vibrations) travelling through the earth to locate and map different rock types based on how they reflect this energy (similar to sonar used in submarines). Sensors are placed on the ground surface to record these signals coming back from deep beneath the surface. The vibrations are generated by a truck at the surface. The energy measured is incredibly weak so many source points must be recorded by many thousands of highly sensitive instruments to generate an image of the earth.
<b>Time and duration of operation</b>	This survey of 306 km will take approximately 30 days.
<b>Will I feel the vibrations?</b>	The vibrations are similar to that of a goods train going past and may be felt 50 m – 100 m away from the source; vibrations only last up to 16 seconds.

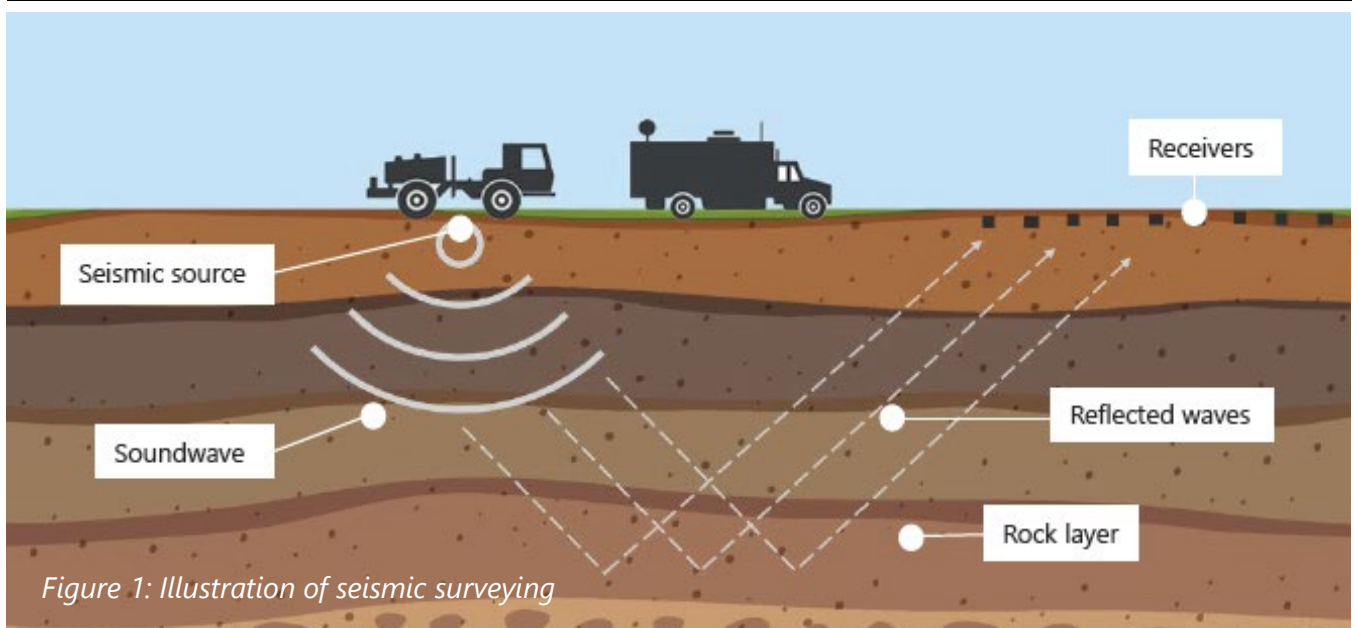


Figure 1: Illustration of seismic surveying

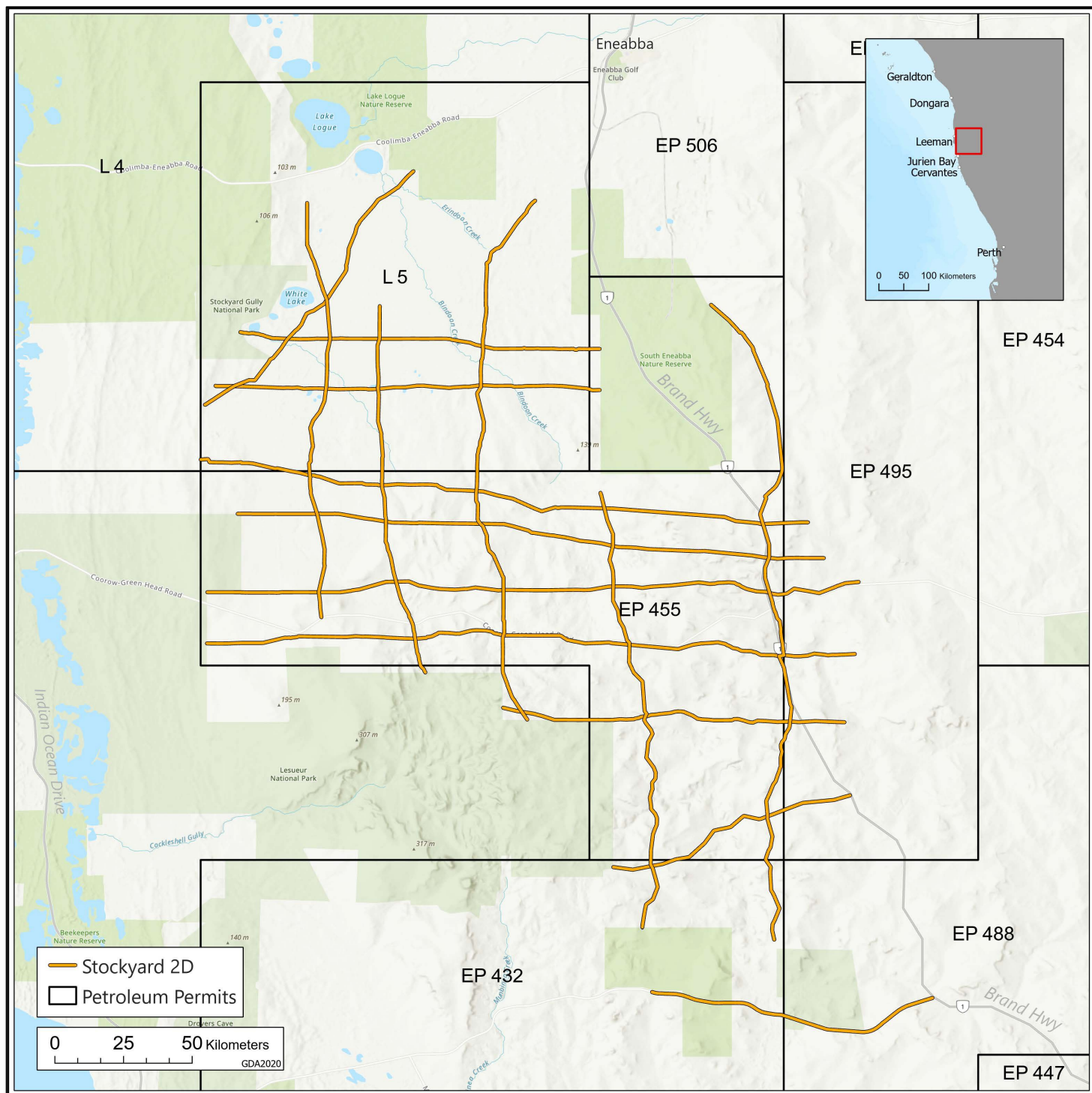


Figure 2: Stockyard 2D Seismic Survey Map