

# Core images from petroleum wells, Phanerozoic and Neoproterozoic basins of Western Australia

by

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## Abstract

The Energy Systems Atlas is a collection of new geological map layers designed to help explorers identify each of the essential elements and processes of a petroleum system: source, reservoir, seal, burial, maturation, stratigraphic framework, structure, trap formation and migration. To help assess basin stratigraphy and lithology, core images from petroleum wells drilled within the Phanerozoic basins of Western Australia have been compiled from data submitted to the Geological Survey of Western Australia (GSWA). These core images are useful for examining lithology and sedimentary features. The core images have been compiled from various industry reports covering the majority of Western Australian sedimentary basins. New core images will be added when they are received.

The formations and depth intervals of each core image and a description of the data is given in the attribute tables of each core image in the Energy Systems Atlas. Unless otherwise stated the depths are given as metres measured depth.

## How to access

The **Energy Systems Atlas** is best accessed using the Western Australian Petroleum and Geothermal Information Management System ([WAPIMS](http://www.dmirs.wa.gov.au/wapims)). This online interactive mapping system allows data to be viewed and searched together with other datasets. The Energy Systems Atlas core images are also available as a data package on request from WAPIMS/requests form.

## Recommended reference

Brooks, DM and Irimies, F 2021, Core images from petroleum wells, Phanerozoic and Neoproterozoic basins of Western Australia: Geological Survey of Western Australia, digital dataset, <[www.dmirs.wa.gov.au/wapims](http://www.dmirs.wa.gov.au/wapims)>.

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