

Composite well logs 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 well operational information, stratigraphy and lithology, composite well logs from petroleum wells within Western Australia have been compiled from data submitted to the Geological Survey of Western Australia (GSWA). These composite well logs are useful for examining a summary of well operations such as casing points, depths of formation tests, location of sidewall cores, full-hole cores, wireline logs, interpreted lithology and stratigraphy. The composite well logs have been compiled from Well Completion Reports covering the majority of Western Australian sedimentary basins. New composite well logs will be added as they become open file.

The formations and depth intervals of each composite well log and a description of the data is given in the attribute tables 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 composite well logs are also available as a data package on request from WAPIMS/requests form.

Recommended reference

Brooks, DM and Irimies, F 2021, Composite well logs from petroleum wells, Phanerozoic and Neoproterozoic basins of Western Australia: Geological Survey of Western Australia, digital dataset, <www.dmirs.wa.gov.au/wapims>.

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