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The Digital Core Atlas for petroleum well Senagi 1 presents analytical results for 285.70 m of core (HQ core size: 63 mm diameter) drilled by Buru Energy Limited on the Broome Platform, Canning Basin in October 2015. The Digital Core Atlas project is a collaboration between the Geological Survey of Western Australia (GSWA) and Buru Energy that combines core photographs with the raw datasets from the well in one fully integrated package. GSWA funding was provided by the State's Exploration Incentive Scheme (EIS).

This Digital Core Atlas is presented in an electronic flip-book design with interactive links that enable the user to view the results of multiple datasets in one convenient and user-friendly location. Each core tray has a field photo and HyLogger photo, marked with depths and icons linked to each of the various analyses available for a given depth interval. These linked datasets include: biostratigraphy, inorganic geochemistry, organic geochemistry, petrography and petrophysics. Each page shows the location of the core tray being displayed and contains a link to a detailed stratigraphic log for the interval containing that core tray.

A schematic stratigraphic log is located on each page to indicate the stratigraphic location for the core being displayed.

Datasets presented in the Senagi 1 Digital Core Atlas include:

1. Biostratigraphy
   - Conodonts
   - Palynomorphs
3. Inorganic geochemistry
   - X-ray diffraction (XRD)
4. Organic geochemistry
   - Headspace gas (HG)
   - Total organic carbon: Rock-Eval (TOC + RE)
5. Petrography
   - Argon-ion milled scanning electron microscopy (ArSEM)
   - Cathodoluminescence (CL)
   - Scanning electron microscopy (SEM)
   - Thin sections (TS)
6. Petrophysics
   - Porosity and permeability (PP)

Senagi 1, Canning Basin — Digital Core Atlas Series

Free (online): <https://wapims.dmp.wa.gov.au/WAPIMS/Search/CoreAtlas>.
Enquiries to Email: bookshop@dmirs.wa.gov.au; Phone: +61 8 9222 3459; Fax: +61 8 9222 3444.
Cost: $55 [inc. GST]