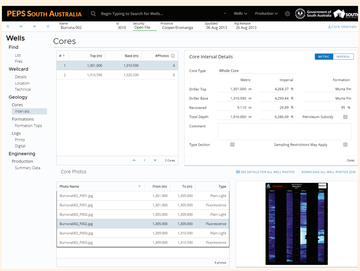
outh Australia

Petroleum Data Sets

PEPS South Australia web based system



PEPS South Australia is a NEW web-based system containing a wide range of technical data relevant to the petroleum and geothermal industries (launched Dec 2019).

Current modules and data include:

- Well Details (well header and GDA94 / 2020 locations)
- NEW Core intervals and core photographs
- Formation Tops
- Logs Digital and Logs Print Images (~900 GB)
- Production Details, monthly data and charts
- Data extraction via excel downloads
- Data can be viewed in metric or imperial units

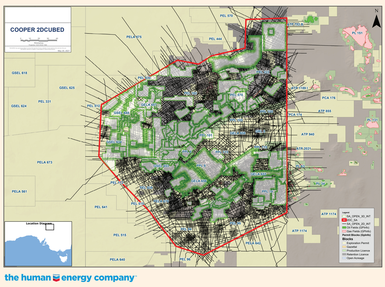
NEW 'virtual' Drill Core Library

The new core module contains comprehensive details of 2,400 cored intervals and 13,000 core photographs from petroleum and geothermal wells drilled in SA. Totalling ~32 GB of data and offers users the ability to interact with and download individual photographs or all photographs from a selected well (zip file). Modern photos are high resolution (~20mb).

Visit peps.sa.gov.au

Cooper Basin 2D^{cubed} seismic data

TGS is currently reprocessing South Australia's extensive open-file 2D seismic database over the Cooper Basin, using their 2D^{cubed} technology to generate PrSTM and PrSDM pseudo-3D volumes over the basin. The area covered by the reprocessing is shown in the map on the right. It is expected that the PrSTM outputs will be ready by mid-2021 and the PrSDM processing will be completed by early 2022. All output data will be immediately open-file and will be made available for download as soon as possible. The project is being undertaken with the support of Chevron Australia Pty Ltd.



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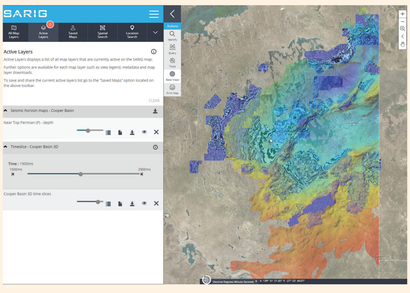
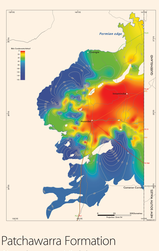
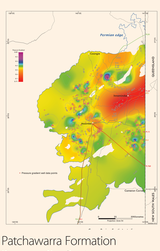


- 300 spatial petroleum datasets (tenements, geology, geophysical and land access)
- spatially search & download well completion reports (WCR), 2D and 3D seismic data
- core photo database and scanned thin section database available for download.
- view new acreage releases and download related data packages
- NEW: 83 selected Otway Basin well logs in LAS format (downloadable)
- NEW: 63 selected Cooper Basin well logs in LAS format (downloadable)
- NEW: 3D Cooper Basin time slice tool (as shown); merged time slice images from all of the 3D surveys in the Cooper Basin and 100ms intervals from 1000 ms to 2900 ms two-way time.

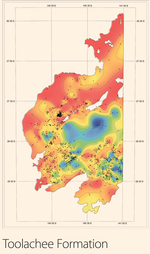
Cooper Basin Atlas



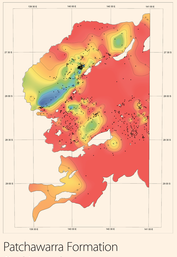
Patchawarra Formation
Condensate Yield



Patchawarra Formation
Pressure Gradient

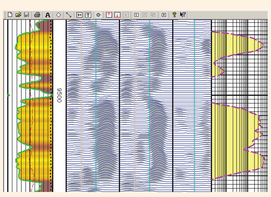


Toolachee Formation
Sandstone Isopach



Patchawarra Formation
Coal Isopach

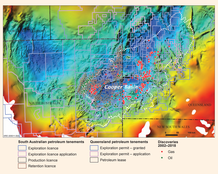
Bundled well data



On a removable hard drive ($2000):

Well completion reports, Digital well logs, Log displays, Thin section database, Core photos database, all open file core photos.

Seismic horizon maps
(Cooper and Eromanga)



Work station ready data*

2D SEGY and selected 3D SEGY datasets:

• Cooper Basin 2D 1975–2000	$1000
• Cooper Basin 2D 2001–04	$500
• Cooper Basin 2D 2005–06	$500
• Cooper Basin 2D 2007–14	$500
3D SEGY	$100 per survey

- other basins (Pedirka, Officer, Otway, Arrowie, Arckaringa, Murray, Stansbury also available).
- Field seismic and processed seismic data

**Discount available with bundled well data.*