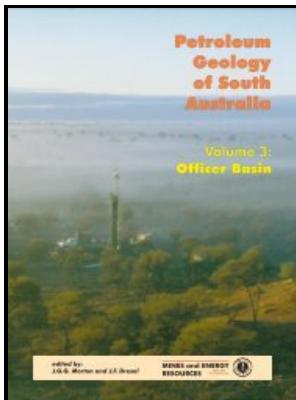


Geology of South Australia

Melbourne University Press - GSA



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- geology of South Australia
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Notes: Originally published as Vol.5, part 2, of The Journal of the Geological Society of Australia.

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The Geology of South Australia

The Adelaide Rift Complex includes the Flinders Ranges and the Mount Lofty Ranges. Foreland basins form from the immense mass created by crustal thickening associated with the evolution of a mountain belt and in this case in front of the deforming New England Fold Belt that causes the lithosphere. The lithosphere is the solid, outer part of the Earth to bend, by a process known as lithospheric flexure.

Petroleum Geology of South Australia

There is not much information about economic geology; for example, the author tells us nothing about the oil-fields of South Australia and their prospects. Geology and tectonic evolution of the Palaeoproterozoic Bryah, Padbury and Yerrida basins, Western Australia: implications for the history of the south-central Capricorn orogen. Australia at this time began to dry out and there was an increase in plants typical of drier forests and woodlands, sea levels dropped to 100m below the present levels.

Geology of South Australia

Likewise, the basin receives less rainfall during winter. Sea-level fluctuations caused the basin to be inundated over 100 years ago, with the ocean receding from the basin 25 million years ago.

Field Geology Club of South Australia

Along the eastern Gondwana margin there was a volcanic arc that extended 1800 km from south of Sydney to Northern Queensland, this would indicate a more active tectonic region.

The Geology of South Australia

Terra Australis Orogen: Rodinia breakup and development of the Pacific and Iapetus margins of Gondwana during the Neoproterozoic and Paleozoic. Trying to understand all structural controls within a deposit.

The Lake Eyre Basin consists of seven drainage catchments, with the Georgina Diamantina, Cooper Creek and Neales Peake catchments located fully or partially in South Australia.

Related Books

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