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# Carnarvon Basin Geoscience Australia

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2006

Petroleum Geology Inventory of Australia's Offshore Frontier Basins  
Wandagee No.1 Well; Marrilla No.1 Well; Minderoo No.1 Well, of West Australian  
Petroleum Pty Limited

Permian stratigraphy

Year Book Australia

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Bibliography of the Carnarvon Basin, Western Australia (to 31-12-69)

Carnarvon Basin, Western Australia

Bulletin

The Geology of the Carnarvon Basin, Western Australia. Part 2, Permian Stratigraphy  
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Geology and Sedimentology of the Lyons River Area, Carnarvon Basin, Western  
Australia

Worldwide Analogs for Cap Rocks and Intraformational Barriers in Clastic

Depositional Settings, AAPG Studies in Geology 60  
Frontiers in Offshore Geotechnics II  
A Field Guide  
Post-Permian stratigraphy, structure, economic geology  
The Geology of the Carnarvon Basin, Western Australia  
Summary of Activities, 1955  
Geology of the Chargoo, Warroora and Chirrida Anticlines North of Lake MacLeod,  
Carnarvon Basin, Western Australia ; The Geology of the Egret Carbonate Member,  
MacLeod Marsh, Lake MacLeod, Western Australia  
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The Geology of the Carnarvon Basin, Western Australia. Pt. 3. Post-permian  
Stratigraphy, Structure, Economic Geology  
The Geology of the Carnarvon Basin, Western Australia. Part 3, Post-Permian  
Stratigraphy, Structure, Economic Geology  
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Progress Report on the Stratigraphy and Structure of the Carnarvon Basin, Western  
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Seismic Survey, Salt Marsh Seismic Survey of West Australian Petroleum Pty Limited  
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**DONAVAN MORGAN**

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Aust. Bureau of Statistics

2011 Updated Reprint.  
Updated Annually.  
Australia Oil & Gas

Resources Handbook.  
Volume 2 Central  
Territories  
2006 SEPM Soc for Sed  
Geology  
"Oil and gas discoveries in  
Australia's offshore basins  
are concentrated on the  
North West Shelf  
(Northern Carnarvon,  
Browse and Bonaparte  
basins) and Bass Strait  
(Gippsland, Otway and  
Bass basins). While  
discoveries have been  
made in a few regions  
outside these areas (e.g.  
Perth Basin), a large  
proportion of Australia's  
offshore basins remain

exploration frontiers.  
However, the decline in oil  
production from the North  
West Shelf and Bass Strait  
basins since 2000 has led  
to an increasing  
exploration interest in the  
frontier basins. In order to  
improve our knowledge of  
the offshore frontiers and  
encourage exploration to  
these areas, from  
2003-2011, Geoscience  
Australia was funded by  
the Australian  
Government to undertake  
a series of pre-  
competitive data  
acquisition and analyses  
programs in frontier

basins around the  
Australian margin. This  
Record presents a  
comprehensive inventory  
of the geology, petroleum  
systems, exploration  
status and data coverage  
for 35 frontier basins, sub-  
basins and provinces, that  
draws on the results of  
those pre-competitive  
data programs, as well as  
exploration results and  
the geoscience literature.  
The Record also provides  
an assessment of the  
critical science and  
exploration questions and  
issues for each area. The  
results of each basin

assessment are summarised in a prospectivity ranking. The availability of data and level of knowledge in each area is reflected in a confidence rating for that ranking. While the prospectivity of some areas is widely acknowledged to be high (e.g. Ceduna Sub-basin), the perception of prospectivity in many basins is negatively affected by the amount or quality of data available; in these basins, the acquisition of new data or targeted research could

make a significant difference to the understanding of petroleum potential and likelihood of success. Therefore, recommendations for future work that could assist in addressing key knowledge or data gaps are included in each basin assessment." -- Online abstract.

*Petroleum Geology Inventory of Australia's Offshore Frontier Basins*  
Geological Society of America  
Frontiers in Offshore Geotechnics II comprises

the Proceedings of the Second International Symposium on Frontiers in Offshore Geotechnics (ISFOG), organised by the Centre for Offshore Foundation Systems (COFS) and held at the University of Western Australia (UWA), Perth from 8-10 November 2010. The volume addresses current and emerging challenges  
**Wandagee No.1 Well;**  
**Marrilla No.1 Well;**  
**Minderoo No.1 Well, of West Australian Petroleum Pty Limited**  
International Business

## Publications USA

The book reviews and summarizes the Indian Mesozoic geological evolution in an innovative alternative perspective of sequence stratigraphy. It mainly focuses on the Jurassic interval, but also concisely discusses the preceding Triassic and Cretaceous geological records. The key to the study is primarily held in the recently developed ammonoid based high resolution scales in the Triassic and Jurassic period. The Indian Jurassic record is thus elevated to

a high resolution pedestal. The large intra-Jurassic stratigraphic gap in Kachchh, with increase in duration from margin to basin, has been précised in different sections, along with radical revision of its long held interpretation from sub-aerial to sub-marine all over from Arabia to Australia. Other significant gaps are also differentiated into sub-aerial and sub-marine. The Indian Late Precambrian - Neogene record is organized into five mega-sequences. Among these, the fourth -

also the most important one - includes the intra-Permian to Early Eocene interval from the origin to the closure of the Neotethys. Based on multidisciplinary integration of the Indian Mesozoic geological record and comparison with hydrocarbon producing basins on east and west of India, a highly positive scenario of the hydrocarbon source/reservoir sediment perspective is outlined in the book in sequence stratigraphic backdrop as an edifice for future

elaborate evaluation.

**Permian stratigraphy**

Aust. Bureau of Statistics  
Geology of the Carnarvon Basin, Western Australia  
The Geology of the Carnarvon Basin, Western Australia  
Petroleum Geology of the Peedamullah Shelf and Onslow Terrace, Northern Carnarvon Basin, Western Australia  
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The Geology of the Carnarvon Basin, Western Australia. Pt. 2. Permian Stratigraphy  
Petroleum Geology Inventory of Australia's Offshore Frontier Basins  
*Year Book Australia*  
Geoscience Australia  
"This volume summarizes new developments in understanding the longest-lived icehouse

period in Phanerozoic Earth history, the late Paleozoic ice age. Resolving the Late Paleozoic Ice Age in Time and Space provides summaries of existing and new data from the various Gondwanan continental relics, and also reviews stratigraphic successions from the paleotropical and temperate regions of Laurussia that preserve an indirect record of glaciation. It addresses the extent to which records of glaciation indicate protracted, long-term climatic austerity, as

opposed to fluctuating, more dynamic climate, and provides new constraints on the timing of glaciation. Additionally, it tackles questions of synchronicity of glaciation across the various Gondwanan continental relics, and timing relationships between near-field and far-field records at greater levels of resolution than has been possible previously. Results point toward a dynamic icehouse regime that is comparable to the Cenozoic icehouse, and away from traditional

interpretations of the late Paleozoic ice age as a single, protracted event that involved stable, long-lived ice centers."-- Publisher's website.

**2008 Year Book  
Australia No. 90**

Geological Society of  
London

Geomechanics

investigates the origin, magnitude and deformational consequences of stresses in the crust. In recent years awareness of geomechanical processes has been heightened by societal debates on



fracking, human-induced seismicity, natural geohazards and safety issues with respect to petroleum exploration drilling, carbon sequestration and radioactive waste disposal. This volume explores the common ground linking geomechanics with inter alia economic and petroleum geology, structural geology, petrophysics, seismology, geotechnics, reservoir engineering and production technology. Geomechanics is a rapidly

developing field that brings together a broad range of subsurface professionals seeking to use their expertise to solve current challenges in applied and fundamental geoscience. A rich diversity of case studies herein showcase applications of geomechanics to hydrocarbon exploration and field development, natural and artificial geohazards, reservoir stimulation, contemporary tectonics and subsurface fluid flow. These papers provide a representative

snapshot of the exciting state of geomechanics and establish it firmly as a flourishing subdiscipline of geology that merits broadest exposure across the academic and corporate geosciences. [Bibliography of the Carnarvon Basin, Western Australia \(to 31-12-69\)](#) Geological Society of America "Shaping a nation : a geology of Australia is the story of Australia's geological evolution as seen through the lens of human impacts, illustrating both the

challenges and opportunities presented by Australia's rich geological heritage" -- Dustjacket blurb.

**Carnarvon Basin, Western Australia** AAPG **Bulletin** CSIRO PUBLISHING

*The Geology of the Carnarvon Basin, Western Australia. Part 2, Permian Stratigraphy* Geology of the Carnarvon Basin, Western Australia The Geology of the Carnarvon Basin, Western Australia Petroleum Geology of the Peedamullah Shelf and

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Geology Inventory of Australia's Offshore Frontier Basins"Oil and gas discoveries in Australia's offshore basins are concentrated on the North West Shelf (Northern Carnarvon, Browse and Bonaparte basins) and Bass Strait (Gippsland, Otway and Bass basins). While discoveries have been made in a few regions outside these areas (e.g. Perth Basin), a large proportion of Australia's offshore basins remain exploration frontiers. However, the decline in oil

production from the North West Shelf and Bass Strait basins since 2000 has led to an increasing exploration interest in the frontier basins. In order to improve our knowledge of the offshore frontiers and encourage exploration to these areas, from 2003-2011, Geoscience Australia was funded by the Australian Government to undertake a series of pre-competitive data acquisition and analyses programs in frontier basins around the Australian margin. This

Record presents a comprehensive inventory of the geology, petroleum systems, exploration status and data coverage for 35 frontier basins, sub-basins and provinces, that draws on the results of those pre-competitive data programs, as well as exploration results and the geoscience literature. The Record also provides an assessment of the critical science and exploration questions and issues for each area. The results of each basin assessment are summarised in a

prospectivity ranking. The availability of data and level of knowledge in each area is reflected in a confidence rating for that ranking. While the prospectivity of some areas is widely acknowledged to be high (e.g. Ceduna Sub-basin), the perception of prospectivity in many basins is negatively affected by the amount or quality of data available; in these basins, the acquisition of new data or targeted research could make a significant difference to the

understanding of petroleum potential and likelihood of success. Therefore, recommendations for future work that could assist in addressing key knowledge or data gaps are included in each basin assessment." -- Online abstract. The Geology of the Carnarvon Basin, Western Australia. Part 2, Permian Stratigraphy Atlas of Australian and New Zealand Hydrocarbon Seals Worldwide Analogs for Cap Rocks and Intraformational Barriers in Clastic Depositional

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*The Geology of the  
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*Summary of Activities,  
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