



Photo: Bura Energy



# Invest in the West

## Oil and Gas Titles in Western Australia

Western Australia ranks among the best regions in the world for new oil and gas ventures, and is one of the few places where potential remains for larger oil and gas discoveries.

The State's sedimentary basins, including the continental shelf, cover an area of approximately 2.5 million km<sup>2</sup>. Western Australia has seven major sedimentary basins, as well as several minor basins which are prospective for petroleum. These basins hold approximately 80 per cent of Australia's discovered natural gas resources, despite being one of the least explored areas in the world.

Western Australia's onshore frontier basins offer perhaps the best opportunities to discover a new petroleum province in the Asia Pacific region. There are emerging opportunities in petroleum resources such as shale gas, as small independent explorers lead the way exploring the potential of the State's shale plays.

For example, oil and gas explorer AWE approved the first stage of the Waitsia gas field development project in January 2016. The Waitsia field was discovered in September 2014 and has the potential to be the largest onshore conventional gas discovery since the 1960s. The field is located in the onshore

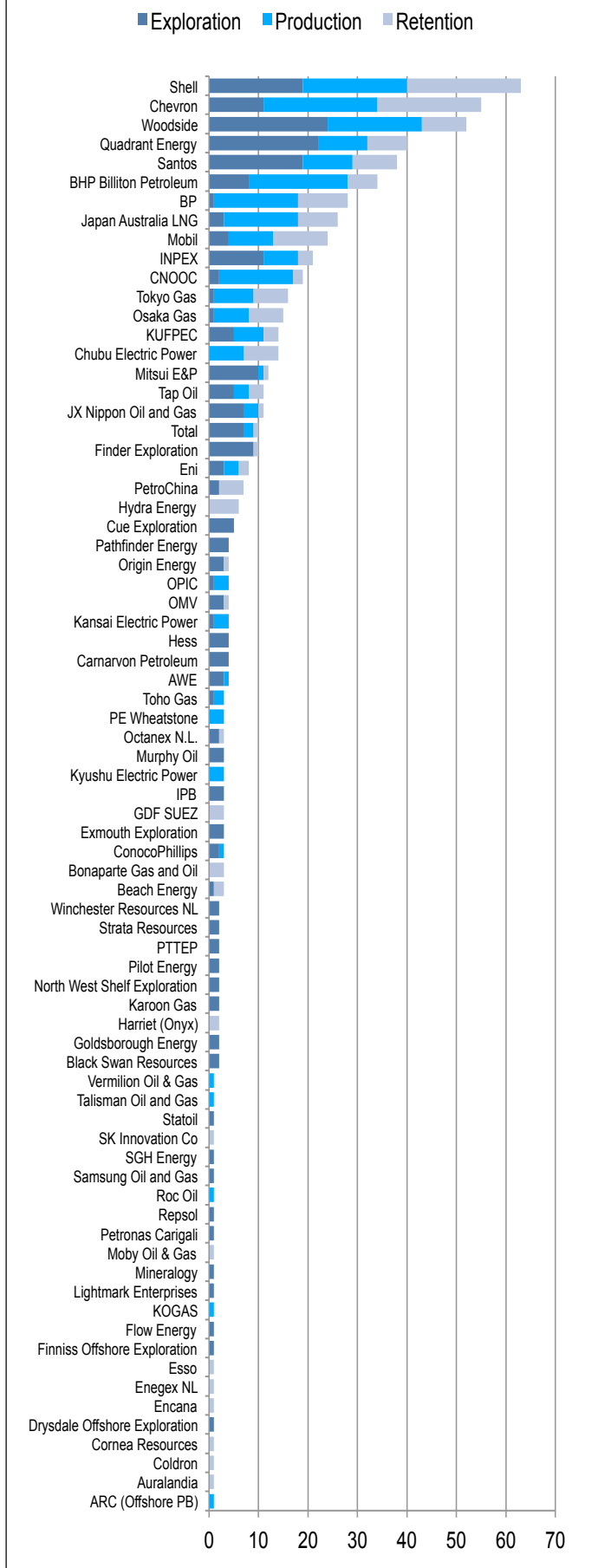
Perth Basin, and should reinvigorate the potential for onshore gas production in Western Australia.

This brochure aims to inform interested parties of ongoing opportunities for investing in Western Australia's oil and gas sector.

### WESTERN AUSTRALIA FAST FACTS

- **133 trillion cubic feet (tcf) of conventional gas reserves and resources**
- **91-193 Tcf of shale gas resources**
- **86 Tcf of tight gas resources**
- **A\$152.9 billion worth of LNG projects under construction or committed**
- **9.0 per cent share of global LNG exports in 2014**
- **A\$2.1 billion of petroleum exploration expenditure in 2014-15, 55 per cent of Australia's total**

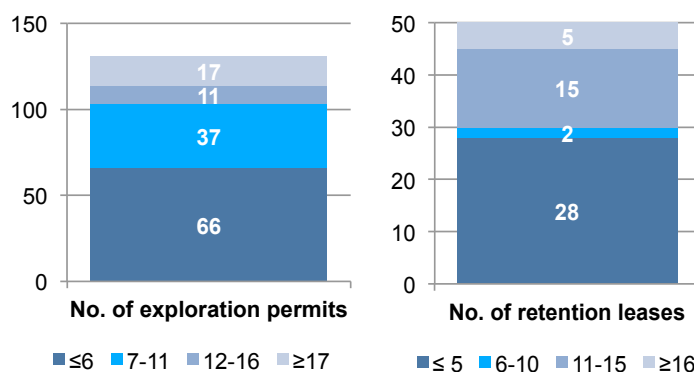
## WA OFFSHORE TITLES BY NUMBER OF TITLES



## SNAPSHOT OF OFFSHORE TITLES IN WESTERN AUSTRALIA

- 131 exploration permits issued
- Half of exploration permits are held within the initial term of six years
- 50 retention leases issued
- 53 production licences issued
- A total of 75 companies hold interests in these titles

## Offshore Exploration Permits & Retention Leases by number of years since initial grant



- The initial term for exploration permits is six years and can be renewed for further five year periods
- The initial term for retention leases is five years

## Offshore Activities in Western Australia

In Australia, petroleum rights are owned by the Australian Government. The State, Territory and Australian Governments jointly administering a regulatory regime which grants permits and licences to companies to explore and develop petroleum in offshore areas.

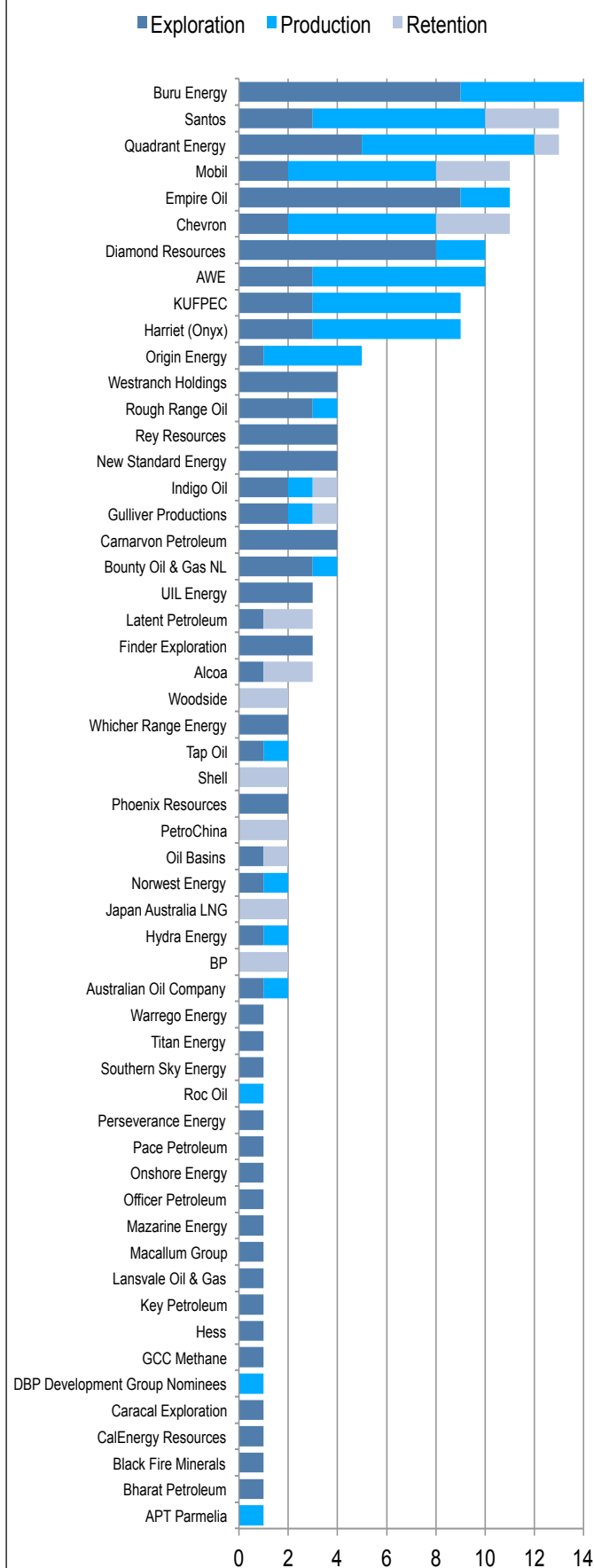
Offshore activities in Australian waters adjacent to Western Australia are managed by the National Offshore Petroleum Titles Administrator (NOPTA), with major decisions made by a Joint Authority comprising the responsible Australian Commonwealth Minister and the responsible Western Australian State Minister.

Offshore titles can be obtained by:

- Bidding for vacant exploration acreage releases at <http://www.petroleum-acreage.gov.au/>
- Farming into existing offshore titles held by those represented in the adjacent chart

\* For the purposes of this document, offshore is defined as in Australian Commonwealth waters. Offshore titles refer to exploration permits, production licences and retention leases in Australian Commonwealth waters offshore Western Australia listed by the NOPTA on the National Electronic Approvals Tracking System (NEATS) as active, pending application and pending renewal as at 20 January 2016.

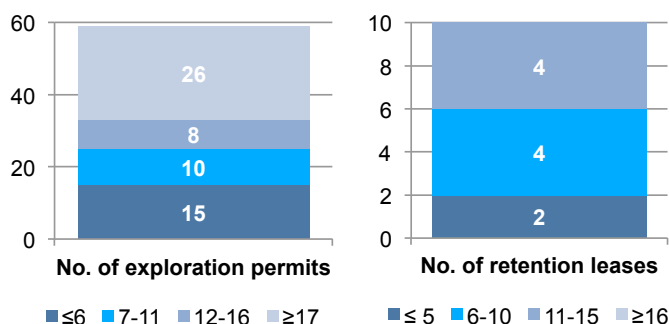
## WA ONSHORE TITLE HOLDERS BY NUMBER OF TITLES



## SNAPSHOT OF ONSHORE TITLES IN WESTERN AUSTRALIA

- 59 exploration permits issued
- Approximately a quarter of exploration permits are held within the initial term of six years
- 10 retention leases issued
- 28 production licences issued
- A total of 55 companies hold interests in these titles

## Onshore Exploration Permits & Retention Leases by number of years since initial grant



- The initial term for exploration permits is six years and can be renewed for further five year periods
- The initial term for retention leases is five years

## Onshore Activities in Western Australia

Western Australia's emerging onshore shale and tight gas industry presents the next significant resource opportunity in the State.

Advancements in hydraulic fracturing (fracking) and horizontal drilling technologies have the potential to unlock Western Australia's estimated vast resources of shale and tight gas.

Onshore activities are administered by the Government of Western Australia through the Department of Mines and Petroleum (DMP).

Onshore titles can be obtained by:

- Bidding for vacant exploration acreage releases at [www.dmp.wa.gov.au/PGR](http://www.dmp.wa.gov.au/PGR)
- Farming into existing onshore titles held by those represented in the adjacent chart

\* For the purposes of this document, onshore is defined as within the State of Western Australia's jurisdiction. Onshore titles refer to exploration permits, production licences and retention leases in Western Australia's jurisdiction listed by DMP on the Petroleum and Geothermal Register (PGR) as active, pending renewal and pending extension as at 20 January 2016.

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