Good Oil Presentation

9 September 2014

CARNARVON PETROLEUM LTD

Dear Shareholders,

Please find attached a copy of a presentation that will be delivered by Carnarvon Petroleum's Chief Operating Officer, Mr Philip Huizenga, at the "RIU Good Oil Conference" in Fremantle on the 9th of September.

Mr Huizenga will review Carnarvon's three major assets, namely the Phoenix project in the Offshore Canning Basin, the Cerebrus project in the Carnarvon basin, both offshore Western Australia, and the Wichian Buri project in the Phetchabun basin onshore Thailand.

The recovery of oil from the Phoenix South-1 well has changed the view of the prospectivity of the offshore Canning Basin. At the conclusion of the Phoenix-1 and 2 drilling campaigns some 30 years previously, the area was thought to contain "stranded gas" and "tight rocks". However the oil discovery at Phoenix South-1, where the oil and reservoir quality point to a commercial discovery, has changed the assessment of the area from "tight gas" to "potentially productive oil". While further work is still required to determine resource size, the joint venture is encouraged by the work to date to move the oil prospect Roc-1 from contingent to firm. Significant other leads and prospects also exist in the acreage.

Further south in the Carnarvon basin, the Company has a 100% equity position in the Cerberus blocks. The area of the Cerberus blocks is large at around 3,200 km², and lightly explored like Phoenix with only around a dozen or so wells in the blocks. Modern 3D data already exists over the majority of the blocks. A number of leads and prospects have already been identified, and three prospects in three different play types have been high graded as being drill ready. Multiple development options exist due to the shallow water depth, shallow target depth, proximity to shore and proximity to existing oil and gas production infrastructure.

Carnarvon will be looking for partners to help unlock the potential of the Cerberus blocks. Having only recently acquired these blocks with minimal permit commitments, there is long permit life remaining for exploration.

In Thailand Carnarvon has 20% equity interest in around 1,000 km2 of exploration, appraisal and production acreage. The acreage lies onshore around 250km north of Bangkok and is developed with fit for purpose low cost facilities. With reservoirs between 500 and 1,000m below ground, drilling costs are nominally around $1.5 million each, and post drilling development is around $200,000 for each well brought into production. The oil is trucked to refineries in Bangkok.

Of the around 1,000 km² of acreage, approximately a third is covered by 3D seismic data and only some 100 km² has been developed and lies within production licenses, incorporating 29.5 million barrels of gross proved and probable reserves as reported in the reserves update announcement on 31 March 2014

Development drilling in Thailand in 2014 has been successful, with recent wells based on updated technical work increasing the gross field production to around 4,000 bopd.

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Yours faithfully

Adrian Cook
Managing Director
Carnarvon Petroleum

CARNARVON PETROLEUM LTD

ASX: CVN

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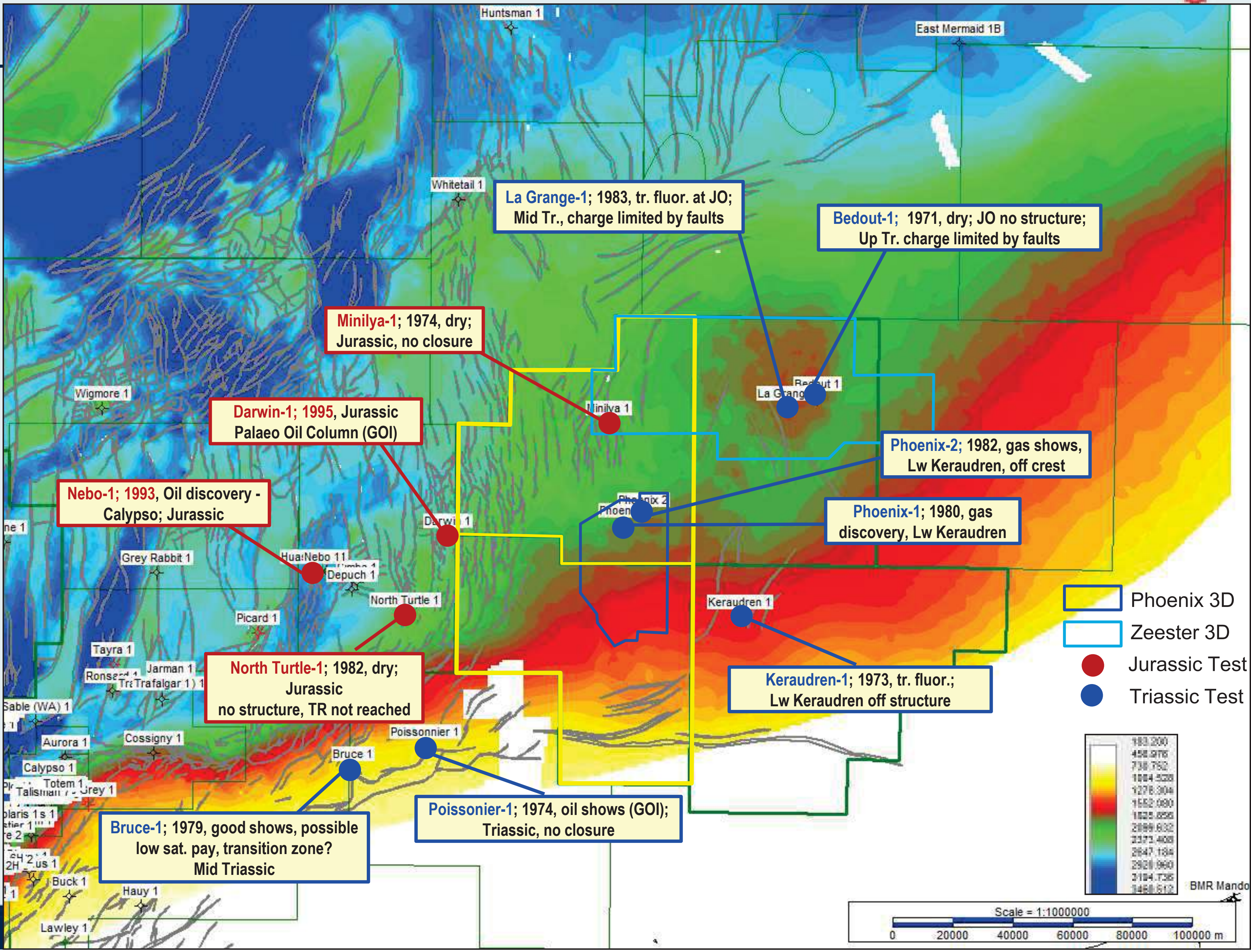
September 2014

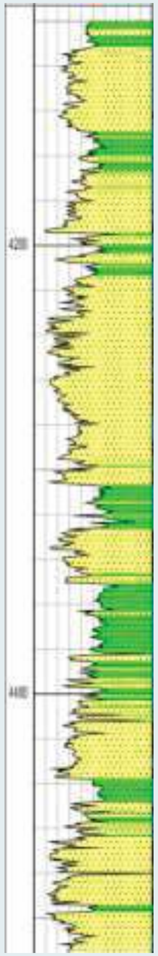
Major Oil Discovery
Phoenix South-1 Well

Offshore Canning Basin,
Western Australia

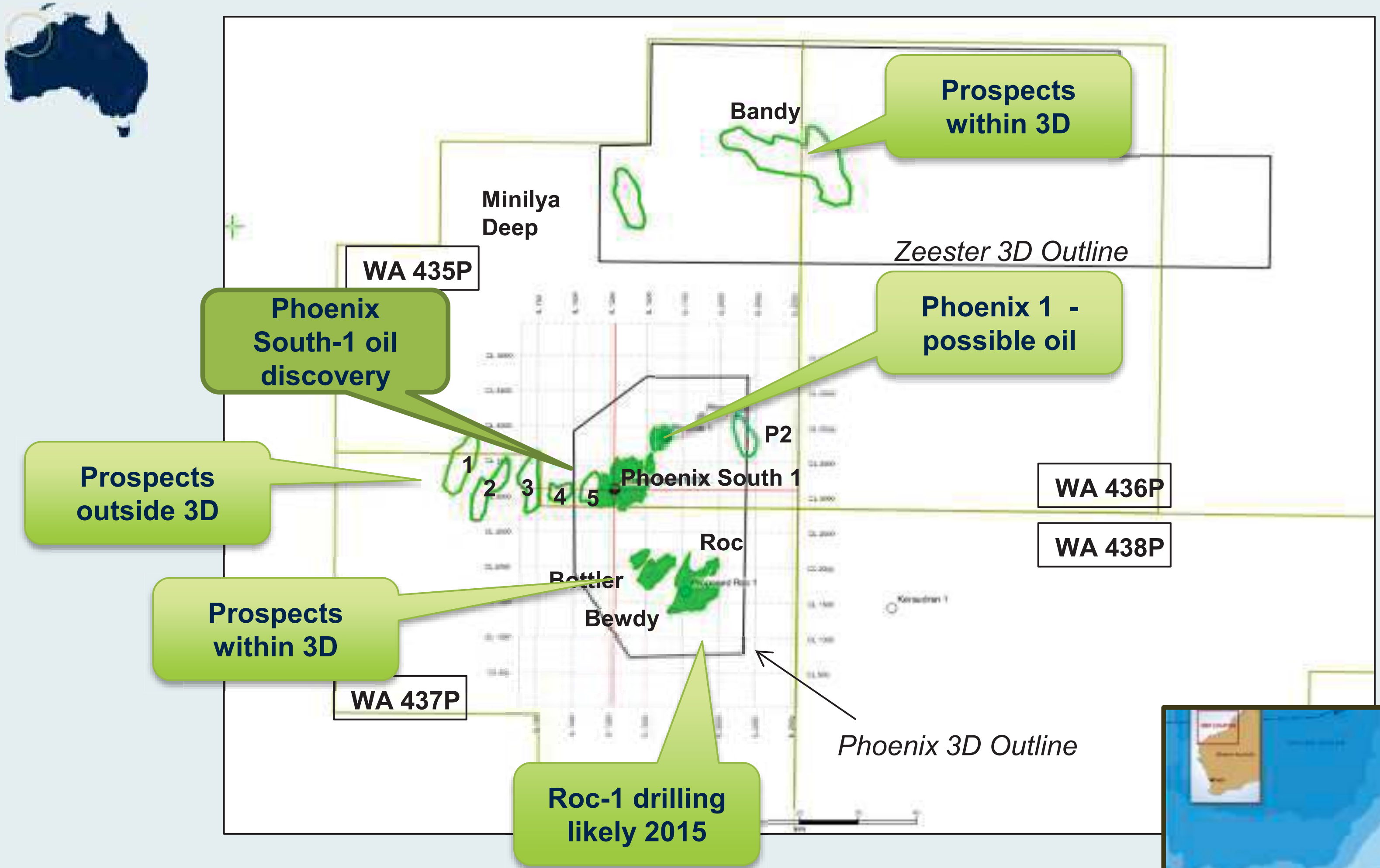
Regional Wells – Prior to Phoenix South-1 oil discovery

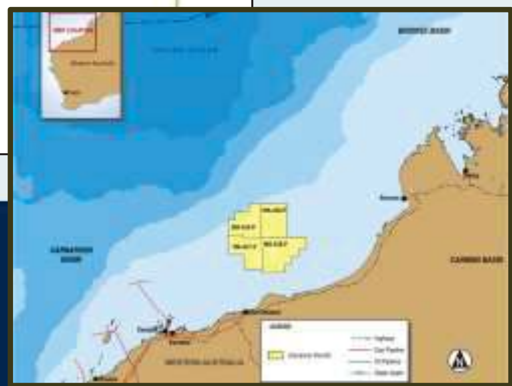


Phoenix South -1 Oil Discovery

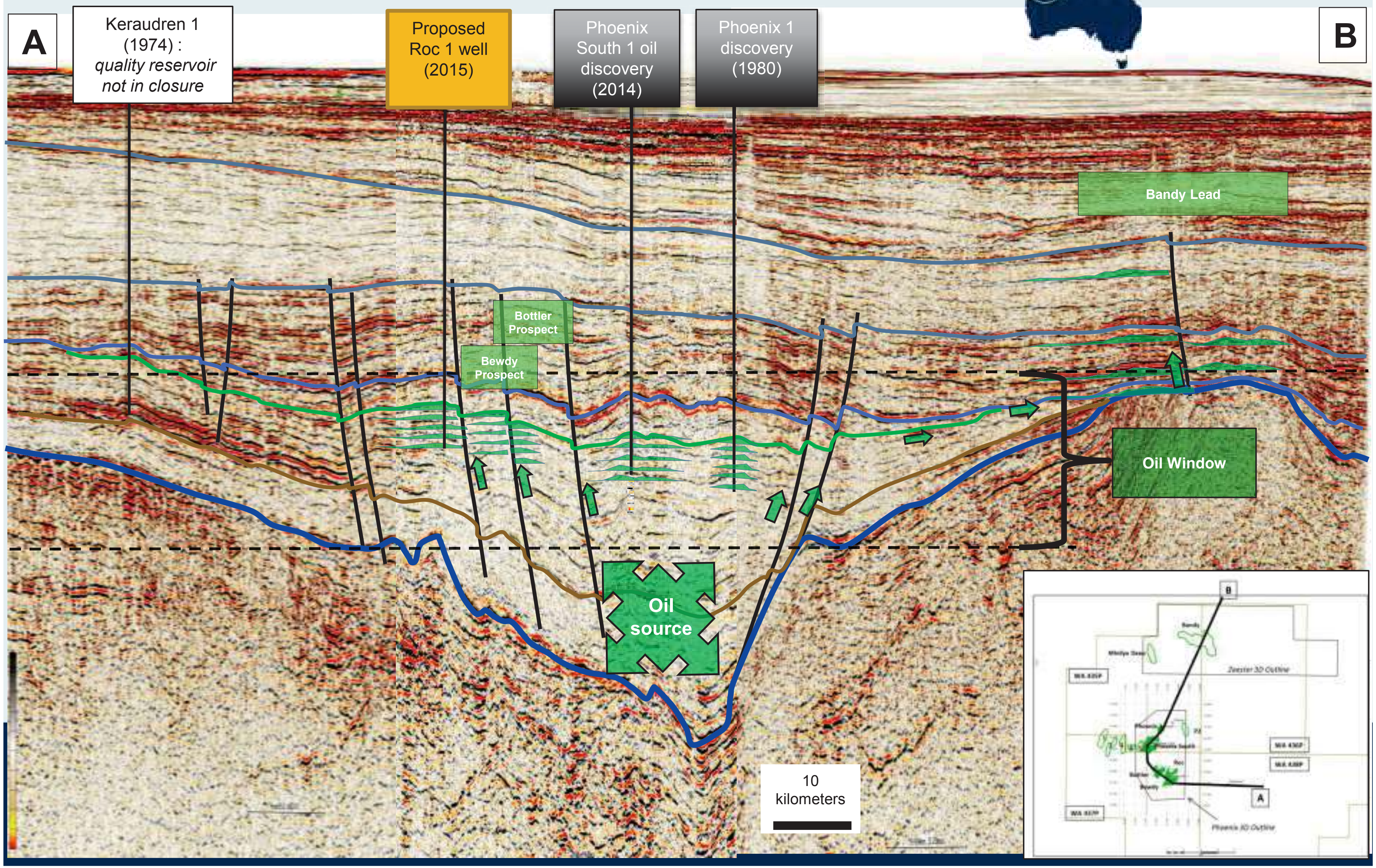


Multi-field Potential in New Oil Province





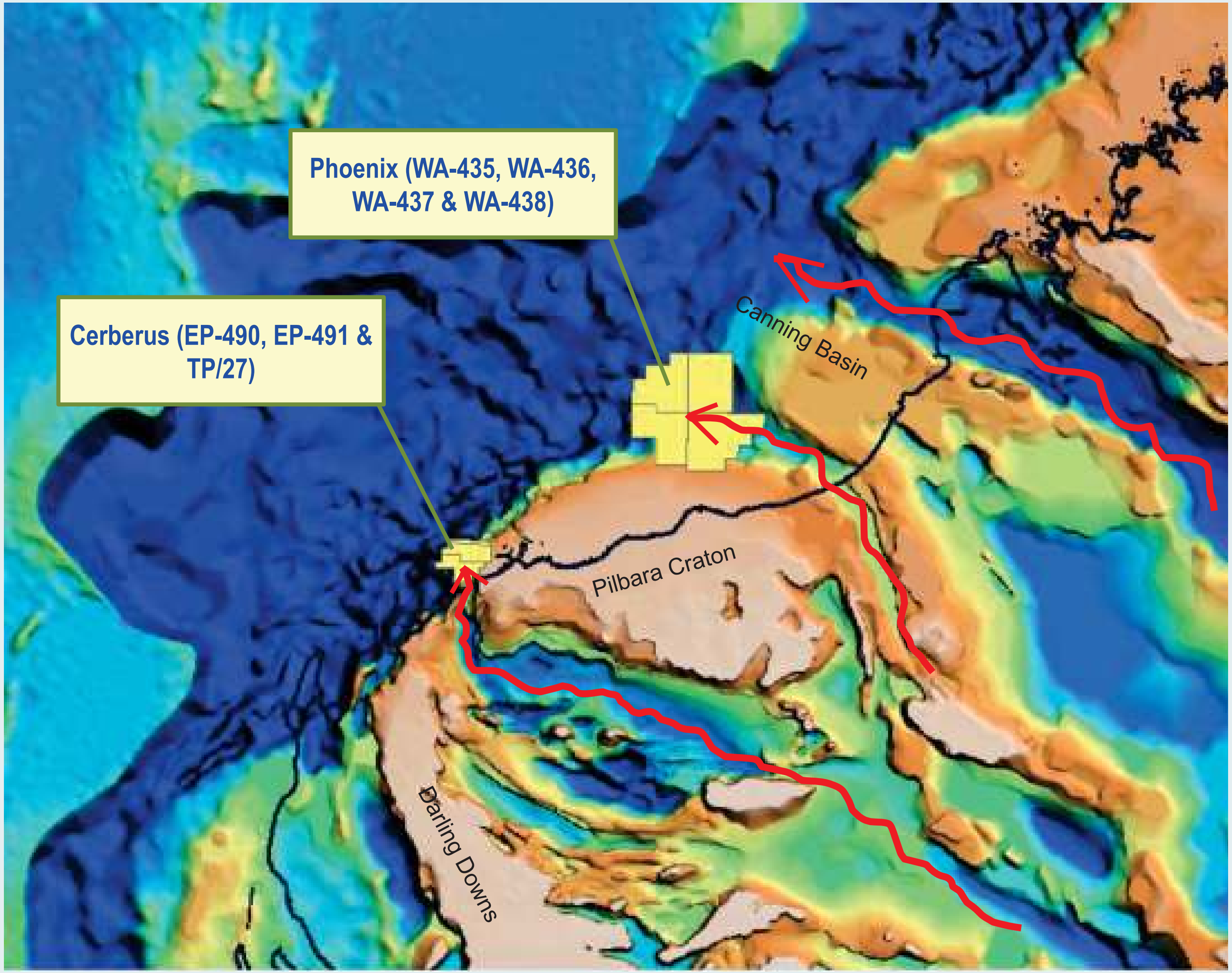
Emerging New Oil Province



Cerberus: The Next Wave

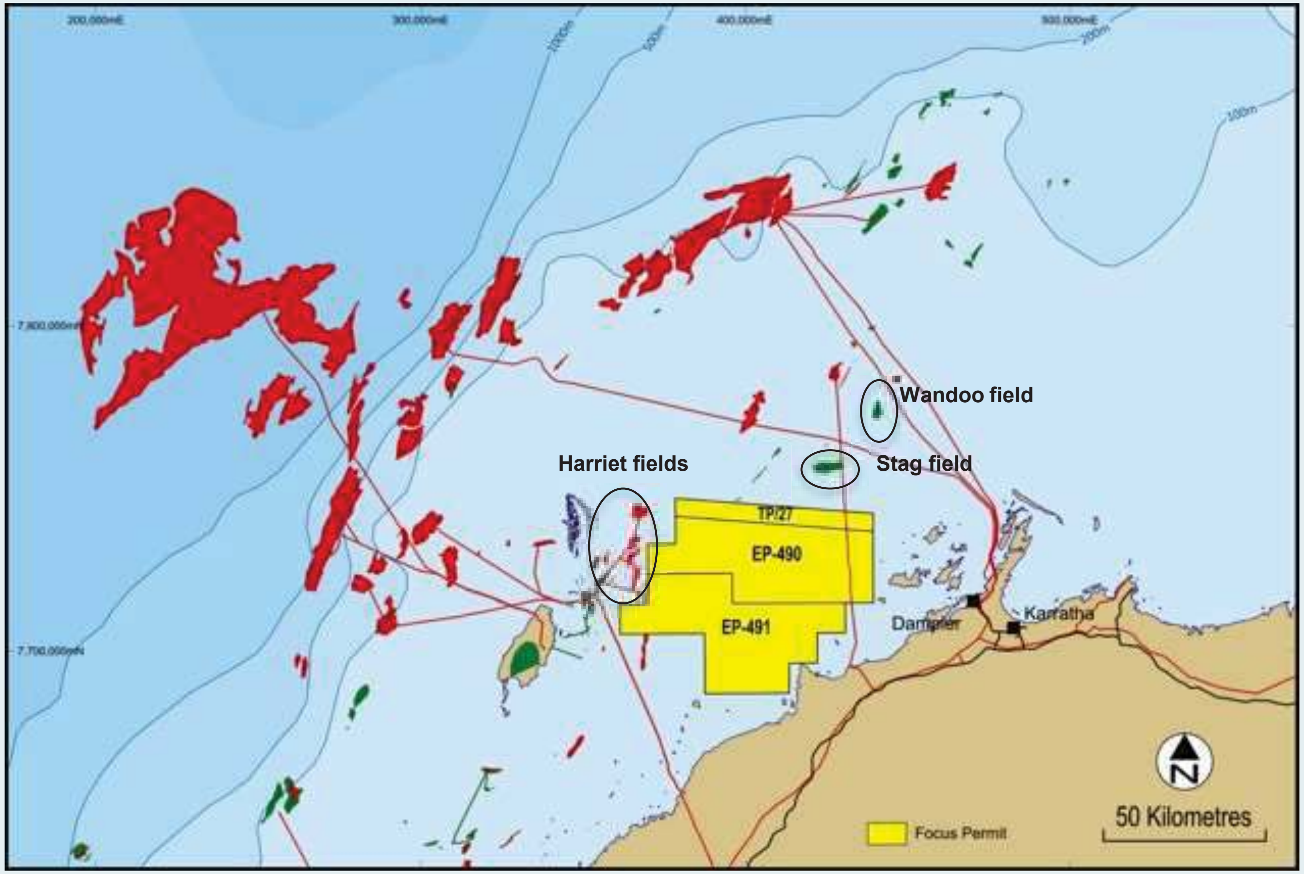
Carnarvon Basin, Western Australia

Carnarvon's footprint in the North West Shelf



FrogTech 2014

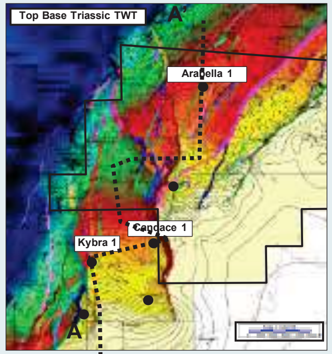
Cerberus located in Carnarvon Basin

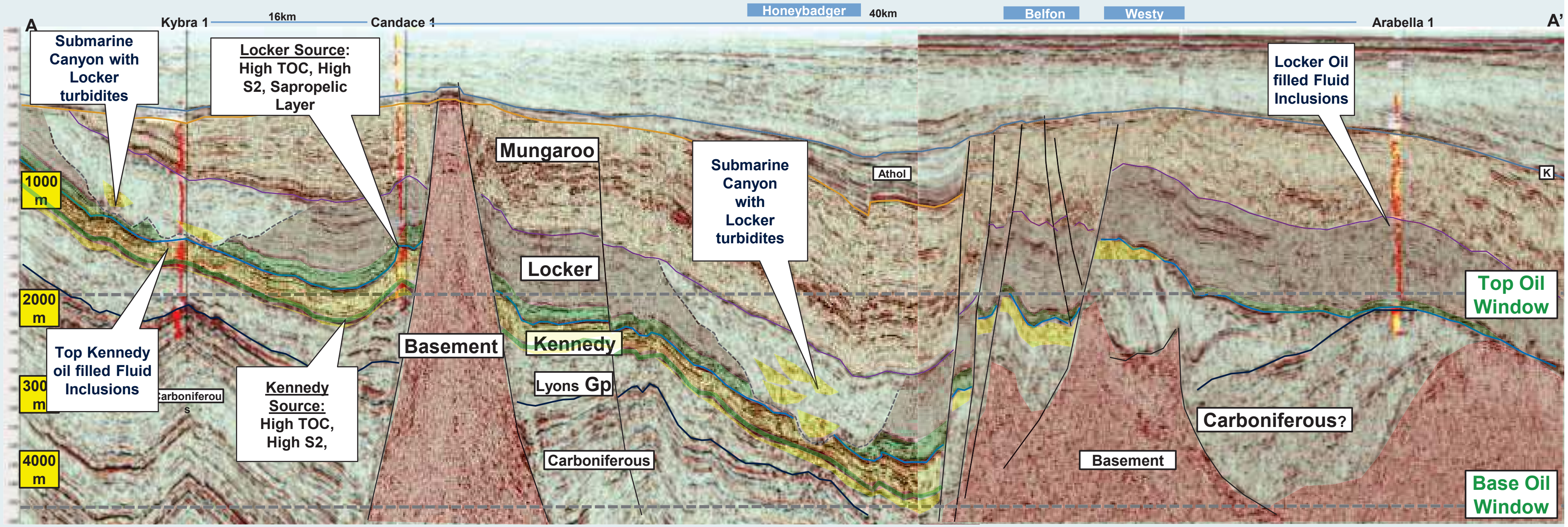


Existing oil fields or discoveries

Existing gas fields or discoveries

Carnarvon already advanced in interpretation



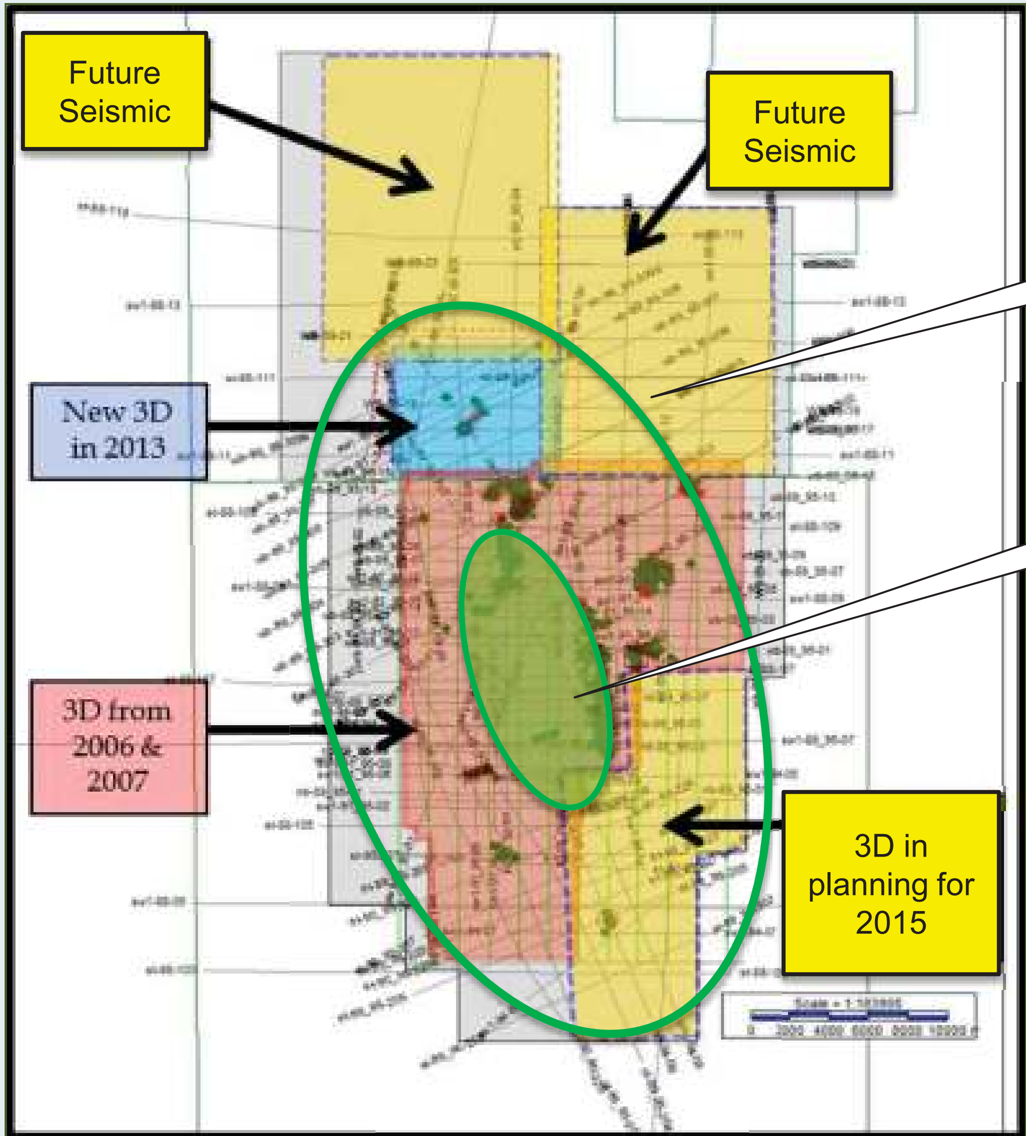


Production from Onshore Assets

Phetchabun Basin,
Central Thailand

Oil production Phetchabun Basin

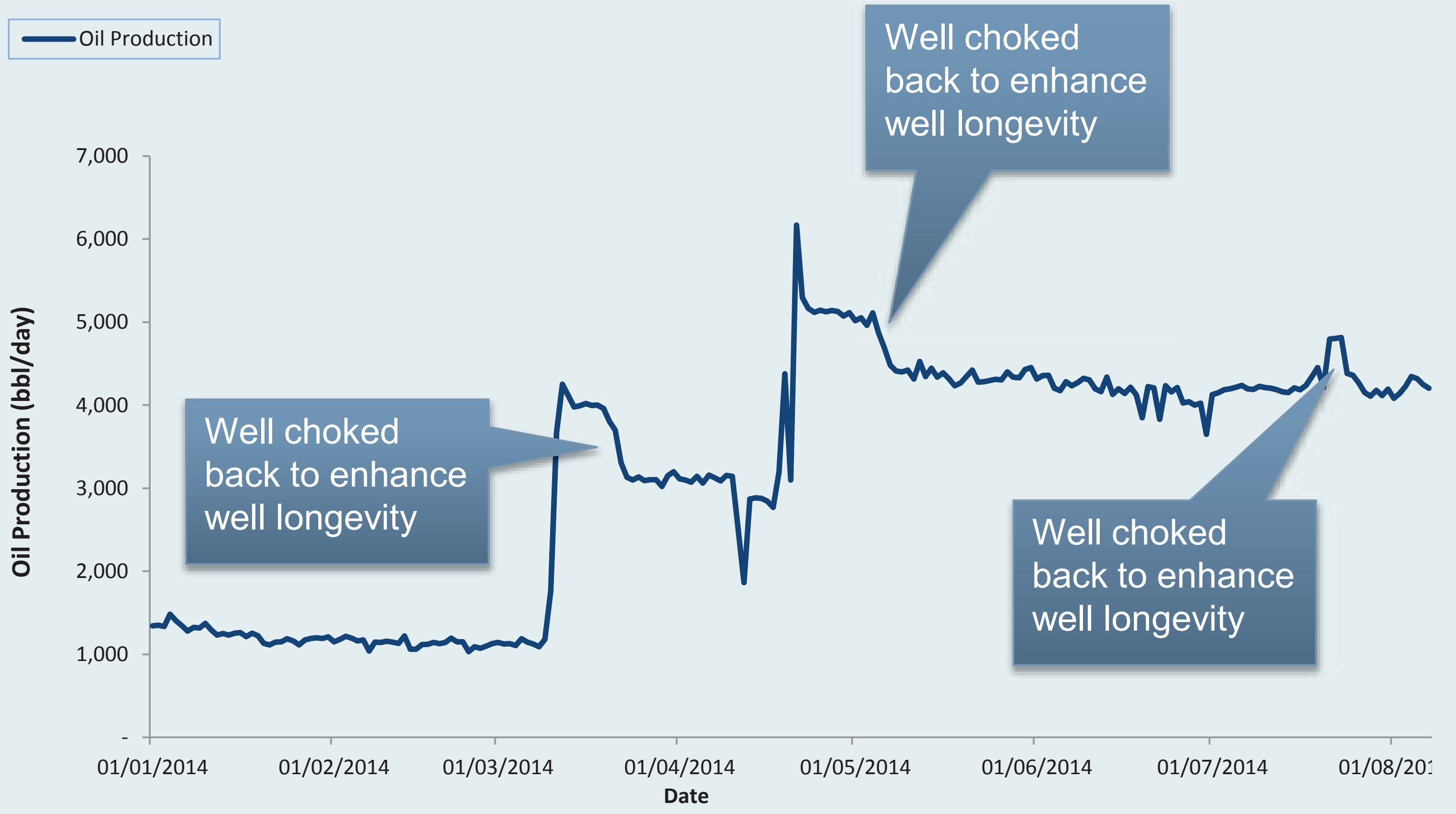
Continuous exploration and development



Extent of discovered oil

Central oil kitchen

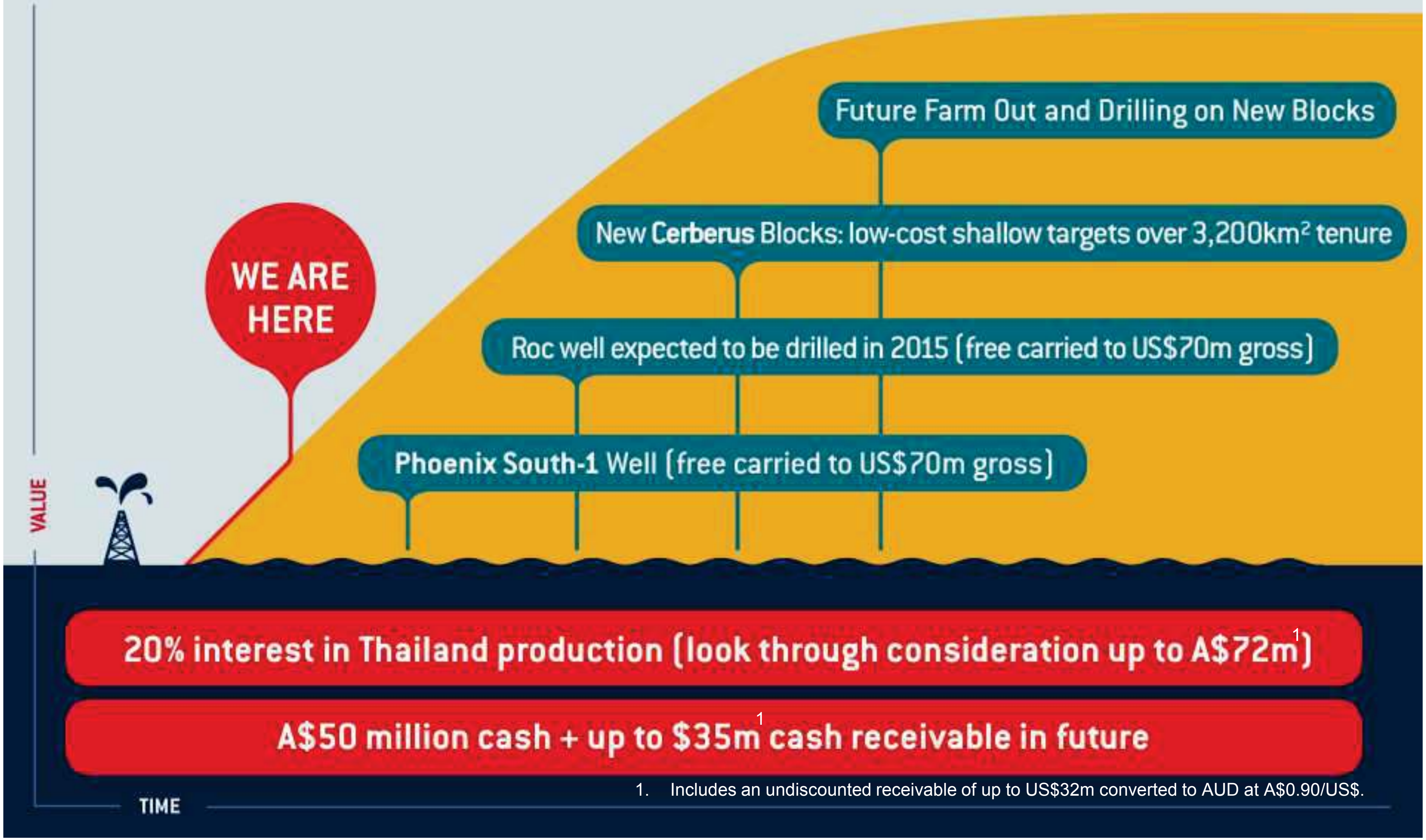
2014 Production



Carnarvon Petroleum

Australia, Thailand

Simplifying the Value Proposition



1. Includes an undiscounted receivable of up to US$32m converted to AUD at A$0.90/US$.

Disclaimer

The information in this document, that relates to oil exploration results and reserves, is based on information compiled by the Company's Chief Operating Officer, Mr Philip Huizenga, who is a full-time employee of the Company. Mr Huizenga consents to the inclusion of the reserves and resource statements in the form and context in which they appear.

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