

Corporate Presentation

27 June 2012



ASX ANNOUNCEMENT

Carnarvon Petroleum Limited ("Carnarvon") (ASX:CVN) is pleased to provide shareholders with the attached Corporate Presentation given by Mr Adrian Cook, Carnarvon's Managing Director, at the 17th Asia Oil Week Conference in Singapore, on Wednesday 27 June 2012 at 10.10am.

For this presentation and further information on the Company please visit the CVN website at: www.carnarvon.com.au

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Yours faithfully

A handwritten signature in black ink, appearing to be "A Cook", written over a light blue horizontal line.

Adrian Cook
Managing Director
Carnarvon Petroleum

CARNARVON
PETROLEUM LTD

17th Asia Oil Week Conference
26 & 27 June 2012

SOUTH EAST ASIA

AUSTRALIA

L20/50 ● L33/43 & L44/43
L52/50 & L53/50 ●

WA-435-P, WA-436-P, WA-437-P,
WA-438-P & WA-443-P ●
WA-399-P ●
Corporate Office ●

Good morning everyone and welcome.

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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Carnarvon web site – www.carnarvon.com.au

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Before presenting the Carnarvon story I need to acknowledge our disclaimer slide that covers all our presentations.

I would also point out that the slides and notes for this presentation are available on Carnarvon's website.

Strategic Focus

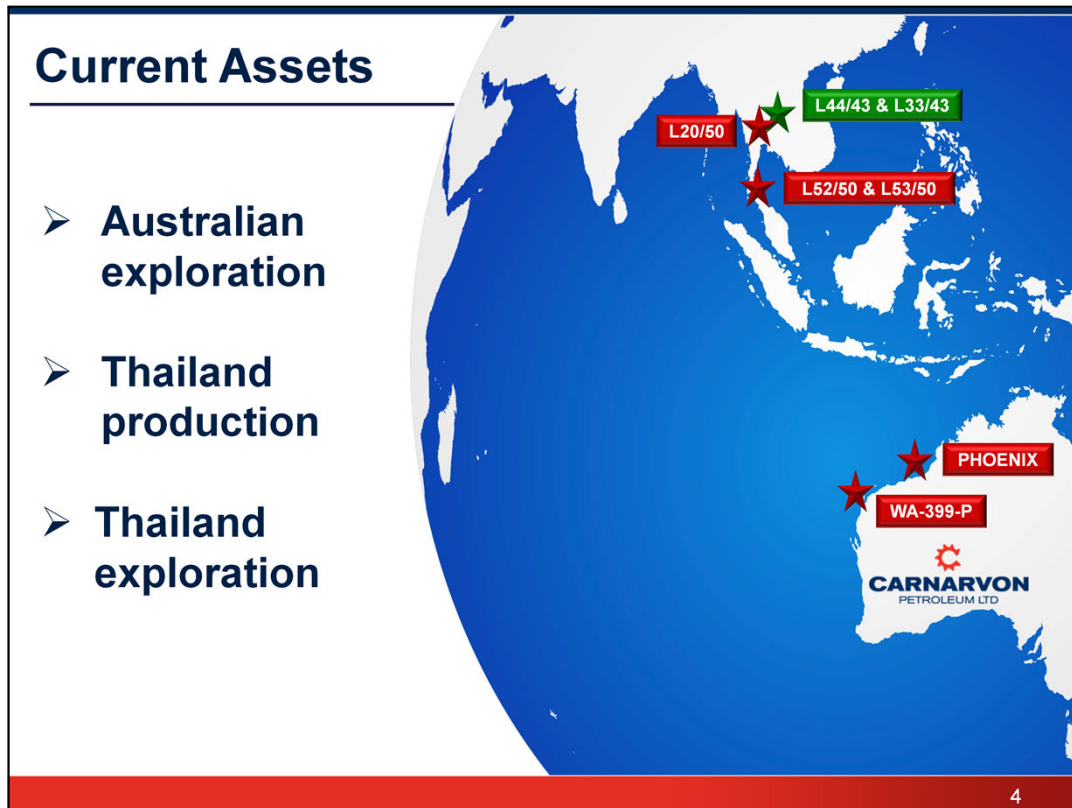


- **South East Asia & Australia**
- **Onshore & shallow offshore**
- **Knowledge & expertise**

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To set the scene for this presentation I'd like to touch on Carnarvon's core area of focus. That is, in South East Asia and Australia, where assets are onshore or in shallow water offshore and where we believe we have a good understanding of the asset and region.

Asia and Australia contain some of the largest producing basins in the world that reside near exciting frontier exploration opportunities and these factors particularly keep our focus on this region.



Our asset holdings were recently consolidated to Australia and Thailand to enable us to better concentrate on these regions with the team that we currently have.

We now hold interests in 6 exploration permits in the Northwest of Australia. Our WA-399-P permit is near Exmouth and the Macedon field. While the Phoenix blocks contain 5 permits spread across some 28,000km² between the Carnarvon and Browse basins. As we'll see later in this presentation, we colloquially refer to these as the Phoenix blocks on account of two wells drilled by BP in the early 1980's that were called Phoenix.

We also have interests in 5 permits onshore Thailand encompassing both oil production and exploration.

Our production asset in the L44/43 & L33/43 concessions are highlighted in green on this slide. These concessions contain oil reserves and near field exploration opportunities. We also have 3 other exploration blocks in Thailand that are in various stages of being explored.

Goals for 2012

- **Phoenix farmout**
- **Monetise Thailand sandstone reservoirs**
- **Build and test prospect portfolio**



Our goals for 2012 comprise three key elements covering the farmout of two high impact Phoenix prospects in Western Australia, activities to get value from Thailand and progressing to drilling in our portfolio in Australia and Thailand.

2012/13 activities (indicative)



	2012				2013			
Australia	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
WA-435-P (CVN 50%)	Phoenix Farmout				Well planning			Well
WA-437-P (CVN 50%)	Phoenix Farmout				Well planning			Well
WA-436-P (CVN 50%)	Zeester 3D Survey	Licence Data	Process 3D		Interpret 3D		Farmout	
WA-443-P (CVN 100%)	Zeester 3D Survey				Licence Data	Process 3D	Interpret 3D	
WA-438-P (CVN 50%)		Technical Work		Potential 2D				
WA-399-P (CVN 13%)	Process 3D	Interpret 3D		Permit extension decision	Well planning			Well
Thailand								
L44/43 (CVN 40%) L33/43 (CVN 40%) SW1A (CVN 40%)	Wells in sandstone and volcanic reservoirs covering exploration, appraisal and development drilling							
L52/50 (CVN 50%) L53/50 (CVN 50%)	Process 2D	Interpret 2D	Farmout	Well planning		2 x Wells		
L20/50 (CVN 55%)		Farmout	3D Survey	Process 3D	Interpret 3D	Well planning		Well

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In relation to the farmout of an interest in our WA-435-P and WA-437-P permits in Western Australia we have indicated that we're working toward concluding a transaction in the third quarter of 2012. The farmout is intended to fund the initial costs of drilling the Phoenix South and Roc prospects that are near the Phoenix-1 gas discovery.

In terms of production in Thailand, we expect to commence shortly a sandstone focused drilling program targeting particularly the Wichian Buri and Wichian Buri extension areas in the L44/43 concession.

We are also maturing our portfolio drillable prospects and of particular interest is the completion of the Zeester 3D seismic acquisition in Western Australia. We see this as covering keys leads for the next stage of farmout. We will also be meeting our joint venture partners soon to discuss potential drilling in our WA-399-P permit in Western Australia. And we are seeking partners to join us in our Thailand concessions in L20/50, L52/50 and L53/50 so that we can commence drilling in these blocks.

Corporate

- **693 million shares**
- **\$80 million market cap**
- **90% liquidity**



6% foreign institutional shareholders
9% domestic institutional shareholders
10% directors and staff
75% retail and other shareholders

In relation to our corporate structure, Carnarvon has 693 million shares on issue, of which three quarters are held by retail shareholders. The Board and staff hold 10% and institutional shareholders hold the remaining 15%.

The company is capitalised at around \$80 million and is a reasonably liquid stock trading an average 3 million shares each day.



Australian asset overview

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I will now briefly talk about each of the assets in the business, starting with Carnarvon's Australian assets.



Phoenix (WA-435-P & WA-437-P)

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In the Bedout sub basin off Western Australia we have interests in 5 exploration permits.

One of the permits, WA-435-P, contains two wells drilled by BP in the early 1980's called Phoenix-1 and 2.

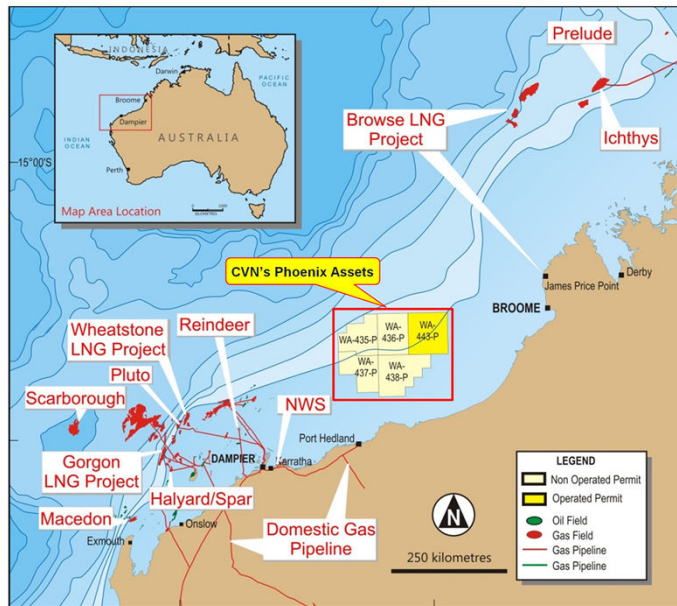
Both wells intersected gas sands over about a 700 meters.

The first of our farmout programs has focused on this block and the contiguous block to the south, WA-437-P, because they contain two large prospects close to the Phoenix-1 gas discovery.

Carnarvon has a 50% interest in both of these permits.

Bedout Sub-basin

- **Proven Petroleum System**
- **New interpreted seismic 2D & 3D**
- **2 drillable prospects**

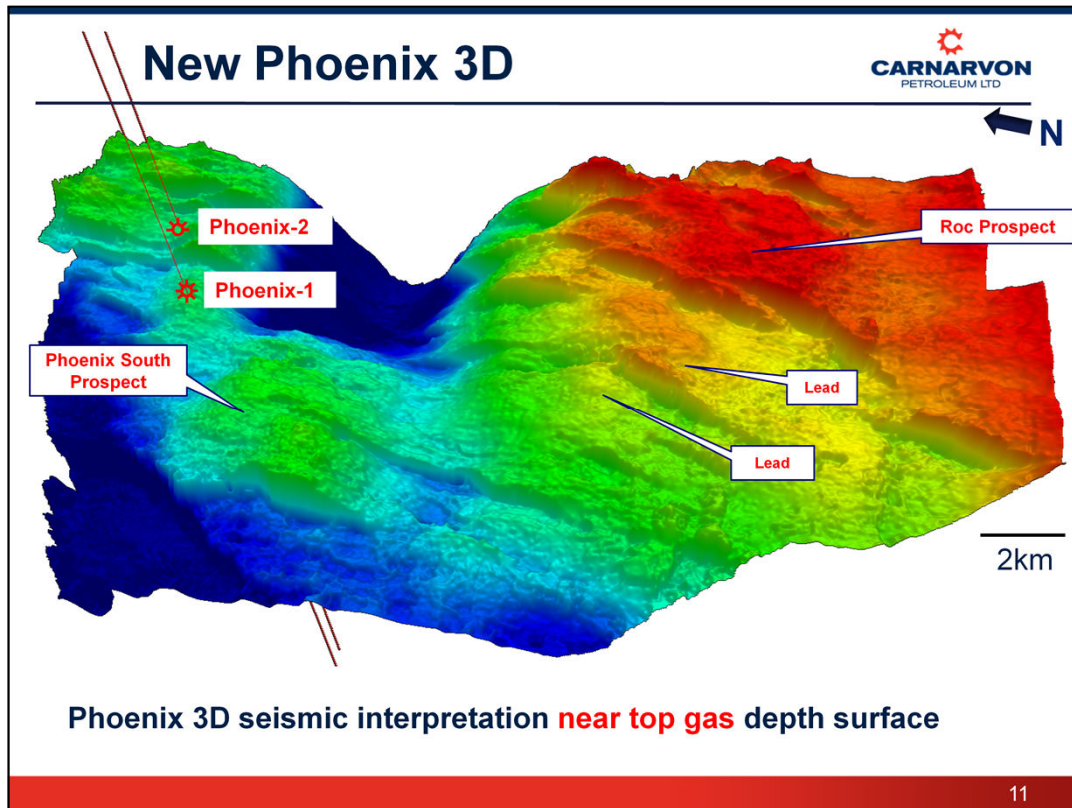


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To put that lead in into further context, the Bedout sub-basin is located between the Carnarvon and Browse basins in reasonably shallow water depths of around 140 metres. The Phoenix wells are also around 150 kilometres from Port Hedland which has access to Western Australia's domestic gas pipeline.

As I have indicated the WA-435-P permit has a known working petroleum system that was proven by the Phoenix-1 discovery in 1980, over which we have new 3D seismic data and 2 drillable prospects.

Of interest too is a number of potentially relevant LNG and domestic gas facilities to this asset. These include the North West Shelf gas facility and the proposed Browse LNG facility.

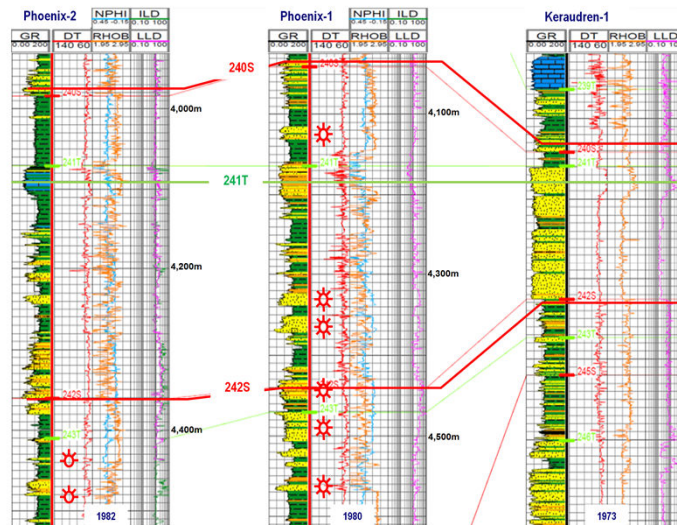


In late 2010 and early 2011 we acquired 1,100 km² of new 3D and around 400 km of new regional 2D seismic that also covered the Phoenix-1 and 2 wells. The intention was to obtain better data over the petroleum system and nearby wells and particularly focus on two large structures identified on vintage 2D seismic data.

Following acquisition of the seismic data and rigorous technical work we have two robust prospects in Phoenix South and Roc, and additional leads with follow up potential.

Well Control

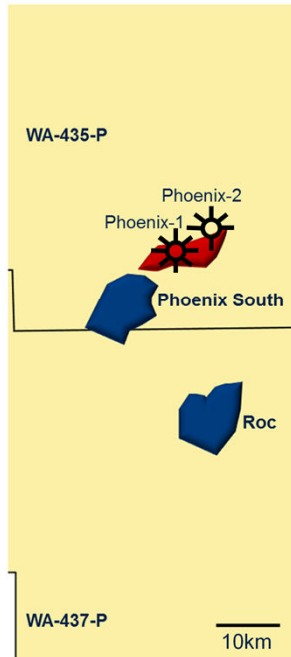
- **Phoenix-1 gas discovery**
- **Phoenix-2 gas shows**
- **Keraudren-1 excellent reservoir**



There are three particularly relevant wells in the area worth noting. The Phoenix-1 gas discovery in 1980 found all sands between around 4,100 and 4,800 meters to be gas bearing with 110 meters of net gas bearing pay according to BP well reports. The Phoenix-2 well had gas shows in poorer reservoir but was out of closure to the north of the Phoenix-1 well. The Keraudren-1 well to the south east of the Phoenix wells had excellent reservoir but no hydrocarbons.

Our challenge now is to find Phoenix gas in better quality reservoir.

Drillable Prospects



➤ **Phoenix South and Roc prospects**

➤ **Independently assessed volumes:**

1 to 2 Tcf mean
recoverable per prospect

2 to 4 Tcf upside
recoverable per prospect

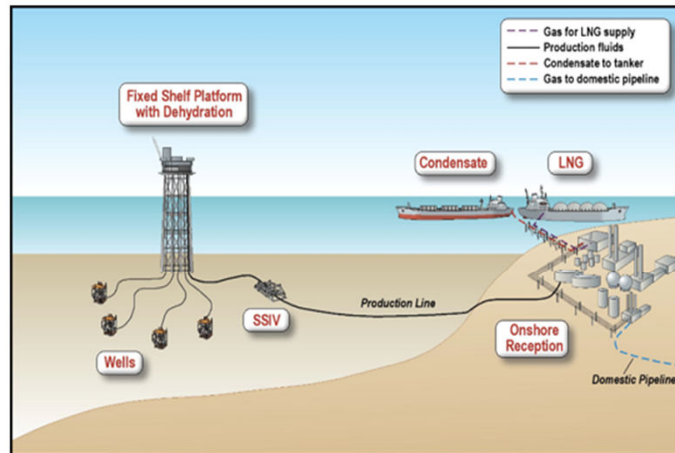
➤ **Significant opportunity**

As I discussed earlier we have 2 prospects that are the focus of our farm out process, namely the Phoenix South and Roc prospects.

These are robust, technically supported prospects that have independently assessed volumes of significance. That is, 1 to 2 Tcf mean recoverable volumes for each prospect and upside recoverable potential of between 2 to 4 Tcf for each prospect. These volumes were assessed by the Joint Venture and by the independent consultancy ISIS.

Unlocking the hydrocarbon system here could also realise substantial additional volume and value in these permits and in the surrounding acreage held by Carnarvon. The area has also come under increasing interest with Woodside recently securing 10 exploration permits near to or adjoining the 5 Phoenix blocks.

Commercialising Phoenix



Domestic Gas

Liquids Stripping

LNG Feed Supply

LNG Project

Asset realisation (all or part)

Domestic Gas Swaps

Asset Swaps

There are a number of factors that support any commercialisation of Phoenix. These include the potential for significant volumes of hydrocarbons, proximity to a number of relevant projects and supporting infrastructure and potential resources in shallow water depths.

At this stage we are in a farmout process and remain hopeful we'll conclude a transaction in the third quarter this year.



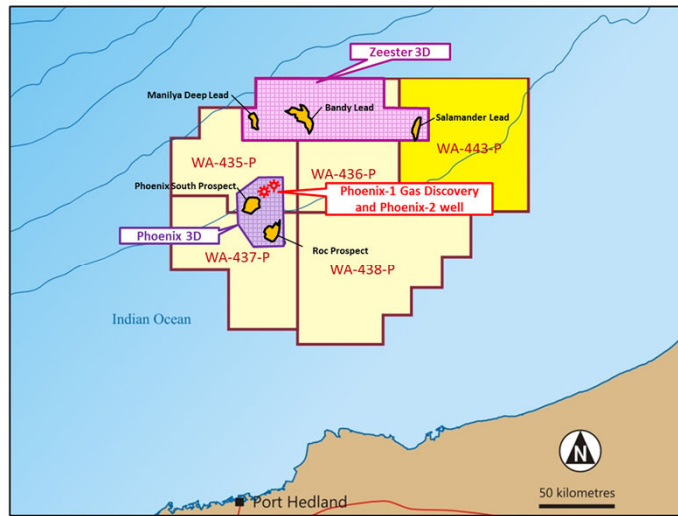
Greater Phoenix (WA-436-P, WA-438-P & WA-443-P)

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As I indicated earlier we have an interest in 5 contiguous exploration permits in the Bedout sub-basin. I have just talked about two of the five permits that we refer to as the Phoenix blocks. We have also commenced work on 2 of the other 3 blocks that we refer to as the Greater Phoenix blocks.

New Zeester 3D

- **4,289 km²**
- **Available late 2012**
- **Covers key leads**



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In this slide you can see the Phoenix wells and the 2011 Phoenix 3D seismic program that covered 1,100km².

Fugro Multi-client services acquired the Phoenix 3D and are now in the field acquiring a new and more substantial 3D program called “Zeester”. The data is expected to be available late in the fourth quarter of this year with the prime lines having now been acquired and the infill program in progress.

We see the Zeester acquisition as important in terms of

- its size, being a substantial 4,289 km²;
- It complementing the information obtained from the 1,100km² Phoenix 3D survey;
- It covering some important leads identified from the vintage 2D seismic data; and
- Its timing which we expect will follow nicely after the Phoenix farmout



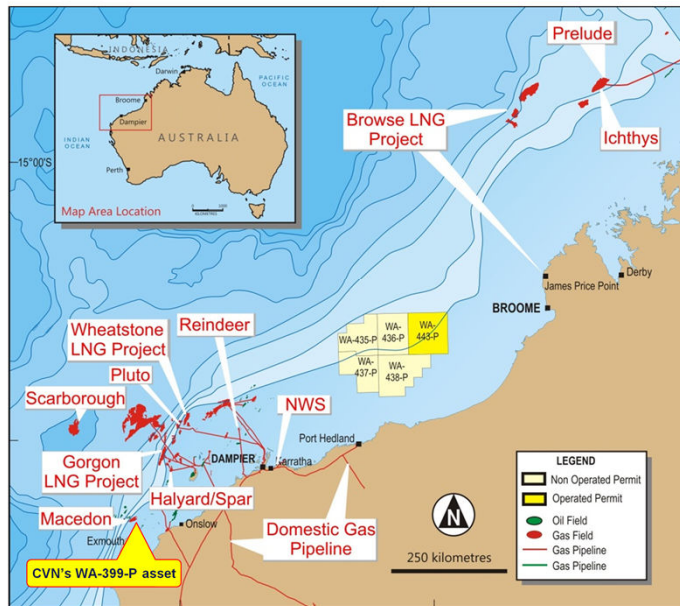
Gazelle **(WA-399-P)**

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Moving now down the Western Australia coast from the Phoenix blocks to the Carnarvon basin where we have a 13% interest in the WA-399-P permit with Apache as operator

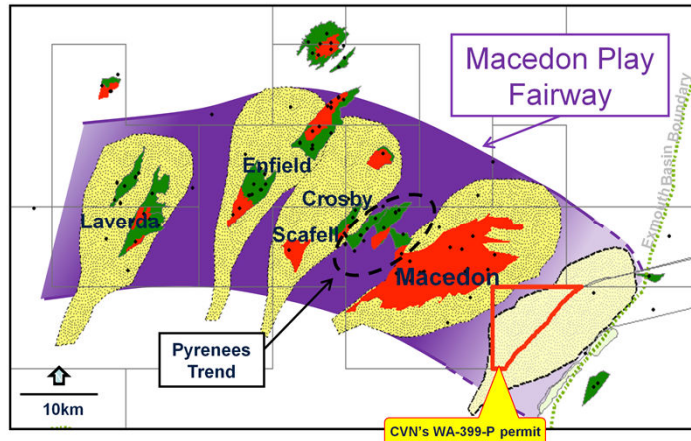
Gazelle – WA-399-P

- Carnarvon basin
- New 3D seismic
- Active region



Apache farmed into this permit by acquiring 3D seismic data over the block. It is a relatively small block but is located in a very active region around the Macedon field.

- Proven play fairway
- Technical work being finalised
- Drill decision soon



Exploration success in this region has resulted in several material oil and gas fields being developed.

High quality 3D seismic has been acquired to define structural and stratigraphic traps in the Macedon unit, effective in nearby fields.

The Macedon play fairway is well established in the area and seismic mapping suggests an extension of the play into our permit.

Technical interpretation and analysis of the new 3D seismic will determine if the joint venture will enter into a drilling commitment prior to September this year.



Thailand asset overview

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I'll now talk briefly about Carnarvon's Thailand assets starting with its oil fields in the Phetchabun basin onshore Thailand. Carnarvon has a 40% interest in these oil fields.



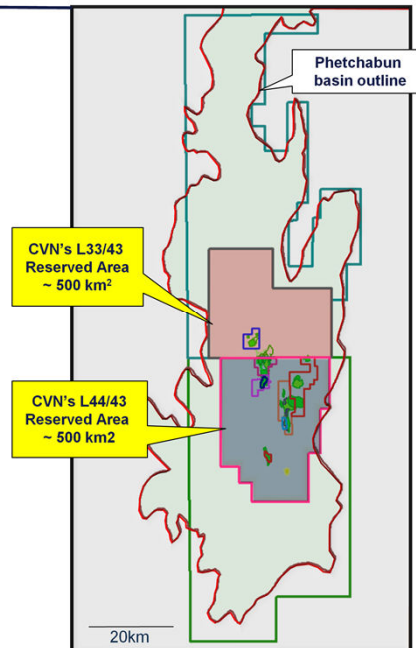
Phetchabun basin (L33/43, L44/43 and SW1A)

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To the west of our oil field we hold a 55% interest in the L20/50 concession.

Background

- **Active drilling**
- **9 oil fields discovered since 2007**
- **11 million bbls produced**



Carnarvon has been actively exploring, appraising and developing the oil fields in this area since 2005. Its worth noting that in this time we have acquired nearly 600 km² of 3D seismic data and drilled 175 wells. As a result we have discovered 9 new oil fields since 2007 and have produced some 11 mmbbls since 1995.

- **Oil in 2 reservoir types**
- **Across multiple fields**
- **At different stages of development**

Net CVN Reserves			
	1P	2P	3P
Volcanic			
L33	0.1	0.4	1.4
NSE	1.1	3.4	6.4
Bo Rang	1.7	3.9	5.7
WBExt	0.1	0.9	1.7
Na Sanun	0.0	0.1	0.3
Total	3.1	8.7	15.5
Sandstone			
Wichian Buri	0.1	1.1	1.6
WBExt	0.4	1.7	4.9
POE 6	0.1	0.2	0.3
Si Thep	0.0	0.5	0.6
NSE	0.0	0.0	0.1
Total	0.6	3.5	7.4
Total	3.8	12.1	22.7

Note: totals may not add due to rounding

The oil resource in these concessions is found in two separate reservoir types, being conventional sandstone and an unconventional volcanic reservoirs.

And further to this the resource is found in multiple fields. There are currently 13 fields operating across three concessions.

Carnarvon has a 40% interest in these assets which contain independently assessed proven reserves of 3.8 mmbbls and proven and probable reserves of 12.1mmbbls net to Carnarvon.



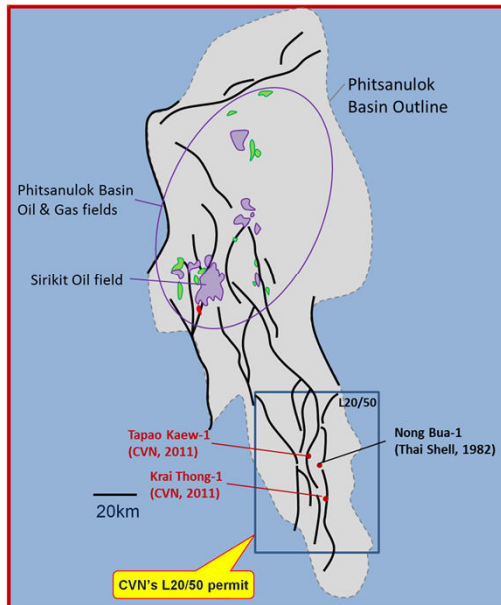
Phitsanulok basin (L20/50)

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To the west of our oil field we hold a 55% interest in the L20/50 concession.

Background

- **On trend with 200 mmbbl Sirikit Oil Field**
- **Indications of Oil in Nong Bua-1**
- **Potential for rapid commercialisation**



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The concession is south of the 200 mmbbl Sirikit Oil Field, which has produced over 150 mmbbls and is still producing around 25,000bopd.

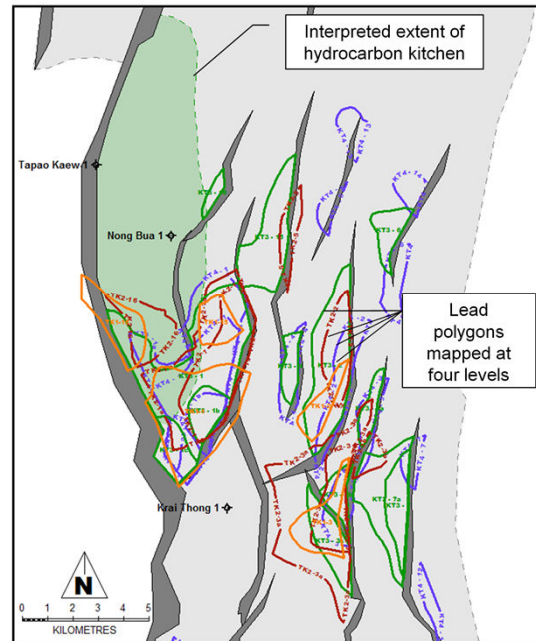
In 1982 Shell drilled the Nong Bua-1 well as it sought to expand on the Sirikit field that it owned at the time. The well identified several potential reservoir sands at various levels with porosities around 18%.

Carnarvon as Operator acquired 550 km of new 2D seismic data in 2009 and drilled two wells in 2011, namely Krai Thong and Tapao Kaew.

Krai Thong-1 well discovered 13 meters of net sand, with porosities ranging from 11-27% and the Tapao Kaew-1 well intersected around 100m of net sand with porosities ranging from 14-27%

Forward plans

- **Identified leads**
- **Stacked reservoir potential**
- **Forward plans incorporate 3D seismic and wells**



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Post well technical work has now been completed with matured leads supporting material volumes of oil and stacked reservoir potential.

Carnarvon has matured a number leads for drilling and is evaluating whether to do this before or after acquiring 3D seismic data on the block.

At this time Carnarvon is also exploring with an number of parties the potential to farm out some of these activities to support the work program.



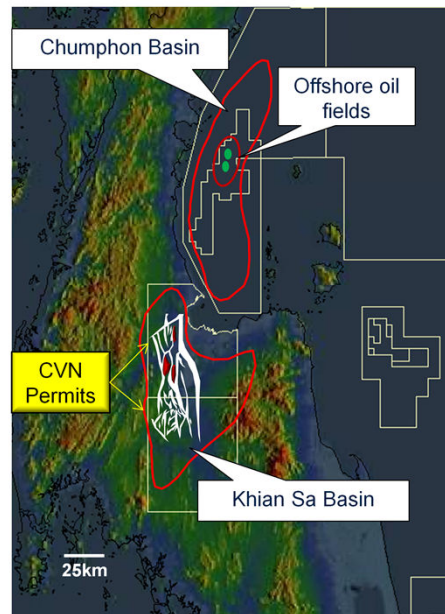
Khian Sa basin (L52/50 & L53/50)

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The Khian Sa basin is an onshore basin in the south of Thailand in which Carnarvon has a 50% interest in two concessions. The joint venture recently acquired 315 km of new 2D seismic data over a series of leads where we are seeking to find play types similar to those found directly offshore in the Chumphon basin.

Frontier Exploration

- **Analogue to proven Chumphon Basin**
- **Large mapped structures**
- **2 wells planned**



We have now identified three new Permian limestone structural targets of significance. These large structures have been interpreted in the new 2D seismic data and are Carbonate plays akin to offshore Chumphon basin that contains the Nang Nuan oil field.

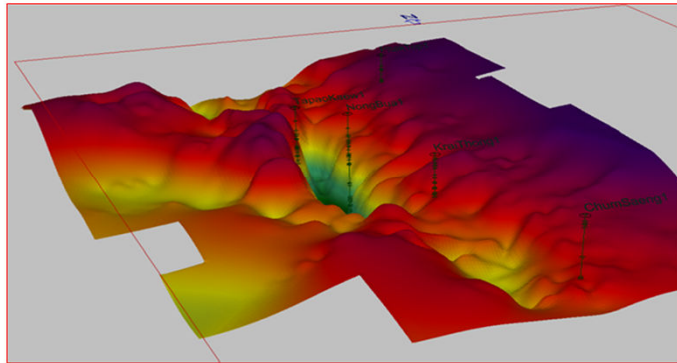
The joint venture has a commitment to drill 2 wells in 2013 and is currently completing technical work on this and is in discussions with potential new partners to join us in the exploration program.



Conclusion

Conclusion

- **Phoenix farmout**
- **Thailand sandstone production**
- **Build prospect portfolio**



To recap, Carnarvon's focus is on South East Asia and Australia in assets that are onshore or in shallow offshore waters. We have recently consolidated the portfolio to enable us to focus on a number of key assets including the potentially substantial Phoenix assets in Western Australia, improving oil production in Thailand and building our portfolio of prospects in Australia and Thailand.

Thankyou for your interest in Carnarvon.



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