Phoenix update





ASX ANNOUNCEMENT

Carnarvon Petroleum Limited ("Carnarvon") (ASX:CVN) is pleased to provide shareholders with the attached extract from a corporate update prepared by the Operator of the WA-435-P and WA-437-P permits, Finder Exploration Pty Ltd ("Finder"). The relevant corporate update is available on Finders' website at www.finderexp.com. The attached extract includes updated information on the Phoenix South and Roc prospects, particularly in relation to their reservoir potential and high-side volumetric estimates.

These estimates are have not been assessed by Carnarvon at this stage.

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

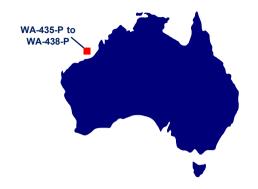
For all enquiries please contact:

Adrian Cook
Managing Director - Carnarvon Petroleum
08 9321 2665
Email: admin@cvn.com.au

Yours faithfully

Adrian Cook
Managing Director

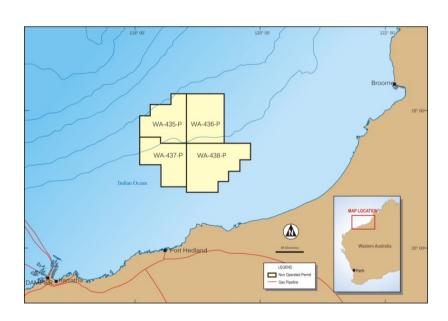
Carnaryon Petroleum



Bedout/Phoenix

Summary presentation materials

23 November 2011









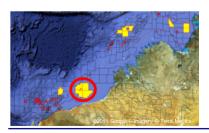
Bedout Sub-basin – WA-435, 436, 437 & 438-P

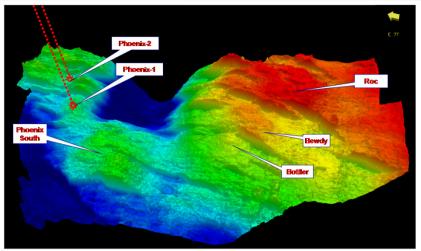
Permits Overview

- Awarded on 4 August 2009 Permit Year Three
- 50% Finder equity (& Operator) Carnarvon Petroleum (50%)
- Large Permits (total 21,720 km²) with water depth ranging from 50 to 265 metres
- Low remaining commitments 3D in 2010/2011
- Discretionary wells (Years 5/6)

Technical Summary

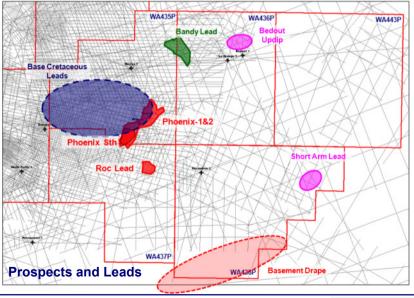
- Proven petroleum systems with mid Triassic Phoenix Gas Field in WA-435-P
 - Gas charged in all sands below 4,113 mRT (>767 m)
- Gas appraisal and exploration targets and possible oil
- Underexplored with no recent drilling (last well in 1983)
- Potential multiple reservoir/seal pairs and trap types through stratigraphic section from Lwr Cretaceous to Permian





3D visualisation of the Phoenix 3D seismic survey Near top gas (241T) depth surface

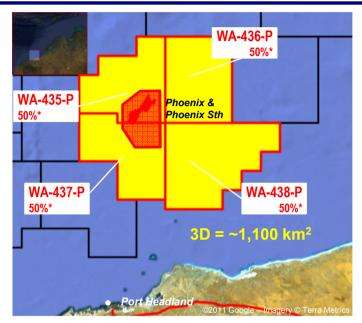
** Permit Yr 4 "Commitment": 400 km² 3D in '12/' 13 ** Upgraded/accelerated to 1,100 km² 3D + 410 km 2D in 2010/11

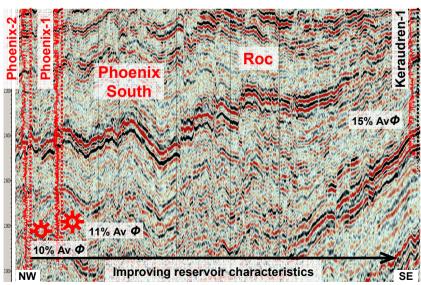




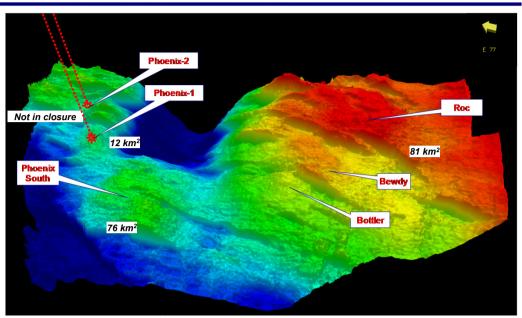


Phoenix South (WA-435-P) and Roc (WA-437-P) Prospects





Preliminary processing of 2010 2D/3D seismic data – courtesy of Fugro



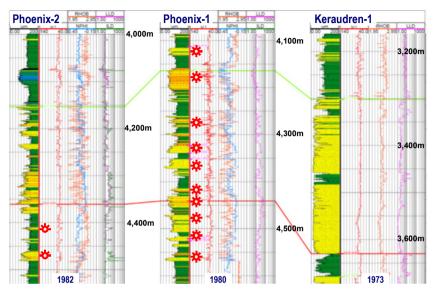
3D visualisation of the Phoenix 3D seismic survey Near top gas (241T) depth surface

- Joint farmout to commence Q1 2012
- pSTM 3D interpretation finalised
 - → QI to identify reservoir sweet spots
- Proven Triassic Phoenix gas resource with 870 BCF highside OGIP
- Phoenix South (~5.5 TCF) + Roc (~5.5 TCF)
- Drill in 2012/2013?

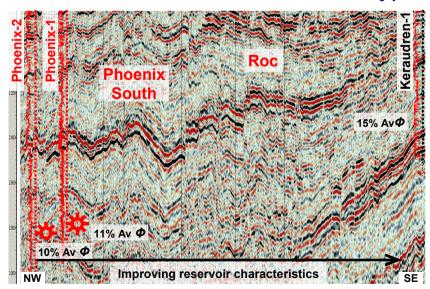




Phoenix South (WA-435-P) and Roc (WA-437-P) Prospects



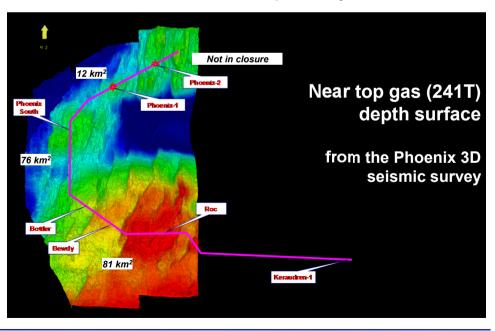
Correlation Flattened on Base Cossigny-239T



Preliminary processing of 2010 2D/3D seismic data - courtesy of Fugro

Phoenix-1, drilled by BP in 1980

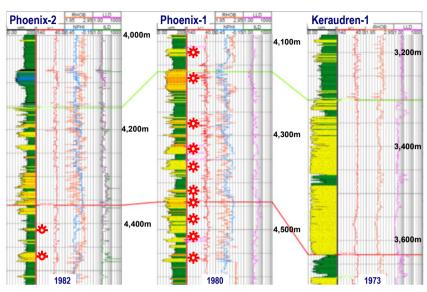
- •intersected a significant 11% porosity gas column in Mid to Late Triassic sandstones
- •gross 767 metre interval –
- 4,113 to 4,880 metres (gas influx at TD)
- •BP petrophysical evaluation considered a total net pay thickness of 110.5 metres
- •Phoenix-2 lesser quality reservoir to north
- •Keraudren-1 excellent porosity to south-east



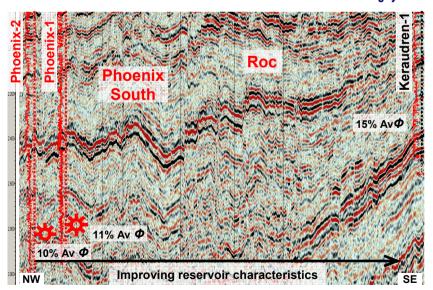




Phoenix South (WA-435-P) and Roc (WA-437-P) Prospects



Correlation Flattened on Base Cossigny-2397



Preliminary processing of 2010 2D/3D seismic data – courtesy of Fugro

Low risk – proven gas

Phoenix-1 well de-risks multi-TCF structures, particularly Phoenix South & Roc

extracts from BP's Phoenix-1
"Geological Completion Report" (July '80),
"Drilling Completion Report" (July 1980) and
"Evaluation Report" (November 1980):

- •"Thicker sandstones below 4113m yielded significant gas shows", "All sandstones below 4113m are gas bearing" and "Net gas-bearing pay is estimated to be 110.5 m";
- "Drilling was suspended (at total depth 4,880m) without testing when it was deemed unsafe to continue operations with available pressure control equipment" due to gas influx;

At 4880m, the mud weight was increased from 1.18 to 1.20 sp.gr. (10 lb/gal) to attempt to hold back higher pressures in this interval. Mud losses occurred as a result, probably to weaker zones around 3737m. An L.C.M. plug was spotted after diluting back to 1.19 sp.gr. and losses stopped. Gas influx, and the resulting high gas readings recorded when circulating off bottom, required 300 bbls. of 1.38 sp.gr. mud (11.5 lb/gal) to be spotted prior to logging.

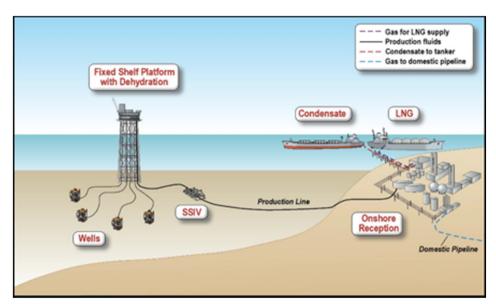
•"WELL STATUS: Suspended with gas shows" – subsequently abandoned





Bedout Development

Simple, low cost development - close to infrastructure



- Only 150 km north of Port Headland
- 140m water depth
- Existing pipeline access to Perth, existing & planned LNG infrastructure plus the mines
- Proven Triassic Phoenix gas resource with 870 BCF highside OGIP
- Phoenix South (~5.5 TCF) + Roc (~5.5 TCF) highside OGIP

- Plenty of LNG demand
 - New build;
 - Access to recent build; or
 - Spare capacity in NWSLNG >2020!
- DomGas potential plus potential to back-out DomGas obligations for LNG players?

