

3<sup>rd</sup> September 2009

Company Announcements Office  
ASX Limited

Via ASX Online

Dear Sirs,

**Good Oil 2009 Presentation**

Please find attached Carnarvon's 2009 Good Oil presentation as presented at the Good Oil Conference.

Yours faithfully  
Carnarvon Petroleum Limited



Ted Jacobson  
Chief Executive Officer



**CARNARVON**  
PETROLEUM LTD

**Good Oil Conference**  
**Ted Jacobson CEO**

**August 2009**



# 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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# Corporate Snapshot

## Capital Structure

Ordinary Shares	683 million
<b>Market Capitalisation:</b> (fully diluted @ 60 cents)	\$409 million
<b>Cash on hand</b> (30 June 2009)	\$31.1 million Incl. tax provisions
<b>Debt</b>	nil
Top 20	~ 38%
Directors and Management	~ 12%
Institutions	~33%

## Directors & Management

Chairman:	<b>Peter Leonhardt</b>
Managing Director:	<b>Ted Jacobson</b>
Non Exec Directors:	<b>Neil Fearis &amp; Ken Judge</b>
Company Sec & CFO:	<b>Bob Anderson</b>
COO:	<b>Philip Huizenga</b>
Exploration Manager:	<b>Dr Robert Bird</b>

Member of ASX 200

## Broker Coverage

Hartleys  
Fat Prophets  
Patersons  
Bell Potter  
Euroz

## Share price performance over last 12 months





# Investment Highlights

- Strong balance sheet
  - Approx A\$31.1 million cash (at 30 June 2009, includes tax provision)
  - no debt
  
- Strong reserve position Thailand (at 31 Dec 2008):
  - Oil Reserves - 16.6 mmbbls 2P and 37 mmbbls 3P
  
  - Contingent Resource - ~ 35 mmbbls 2C
  
- Strong production & free cashflow:
  - 2008/2009 - 1.3 mm barrels oil net Carnarvon production
  - A\$36.4 million profit after taxes



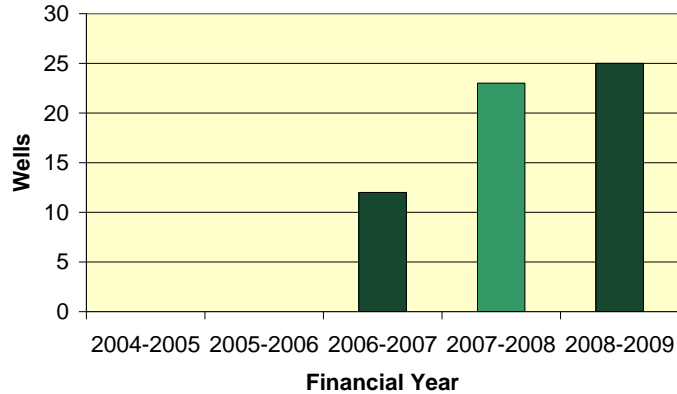
# 2008/2009 FY Achievements

- Found more oil in L44/43 Thailand
  - 16.6mmbbls net 2P recoverable reserves
  - Drilled 25 wells
  - 17 wells successful - commercial production / testing
  - Net Oil production averaged 3,708 bopd (2008/2009)
  
- Possible oil in L33/43 licence Thailand
  - New discovery at L44-W may extend into L33/43 licence
  
- Commenced seismic acquisition in L20/50 Thailand
  - Data quality good
  - Now completed
  - Processing and interpretation complete end 2009
  
- 4 new blocks – 50% - offshore Australia
  - Phoenix gas discovery
  - 3D seismic planned to commence late 2009

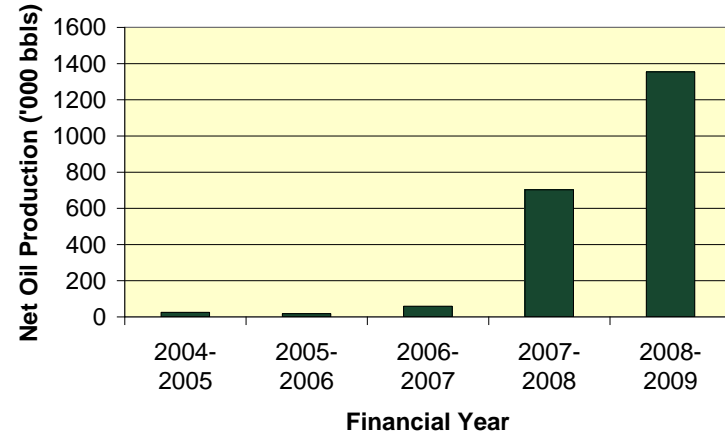


# 2008/2009 Performance Indicators

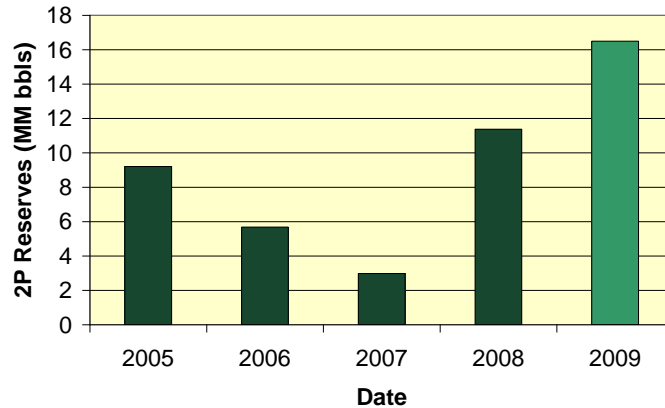
## WELLS DRILLED



## ANNUAL NET PRODUCTION



## 2P RESERVES



2008/2009

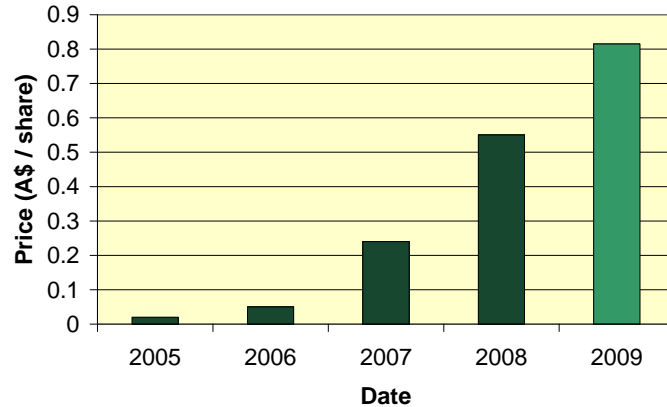
Drilled 25 wells resulting in  
17 commercial production / testing wells

Increase in 2P reserves to 16.6 million bbls

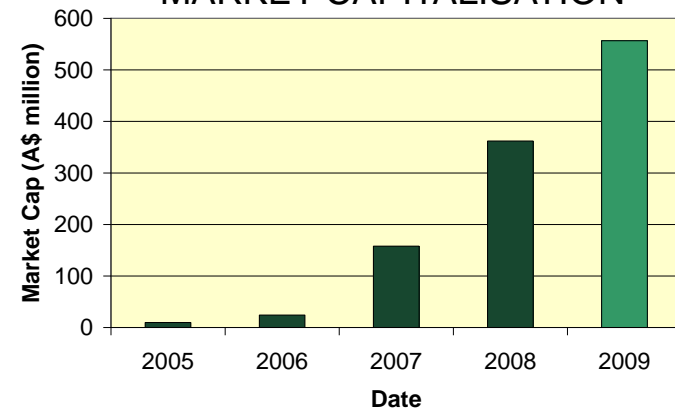


# 2008/2009 Performance Indicators

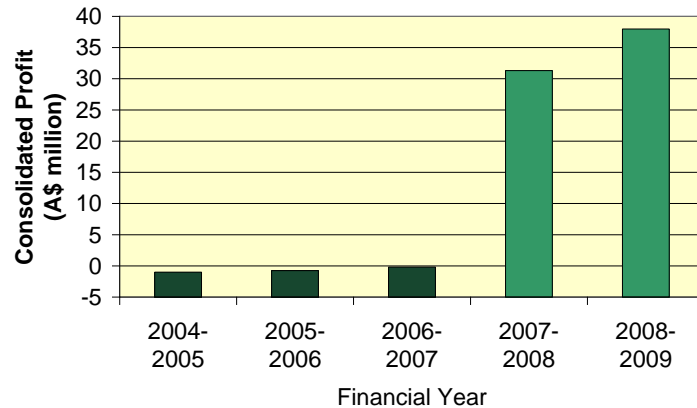
## SHARE PRICE



## MARKET CAPITALISATION



## CONSOLIDATED PROFIT



2008/2009

Consolidated Profit A\$36mm

Carnarvon now in ASX 200



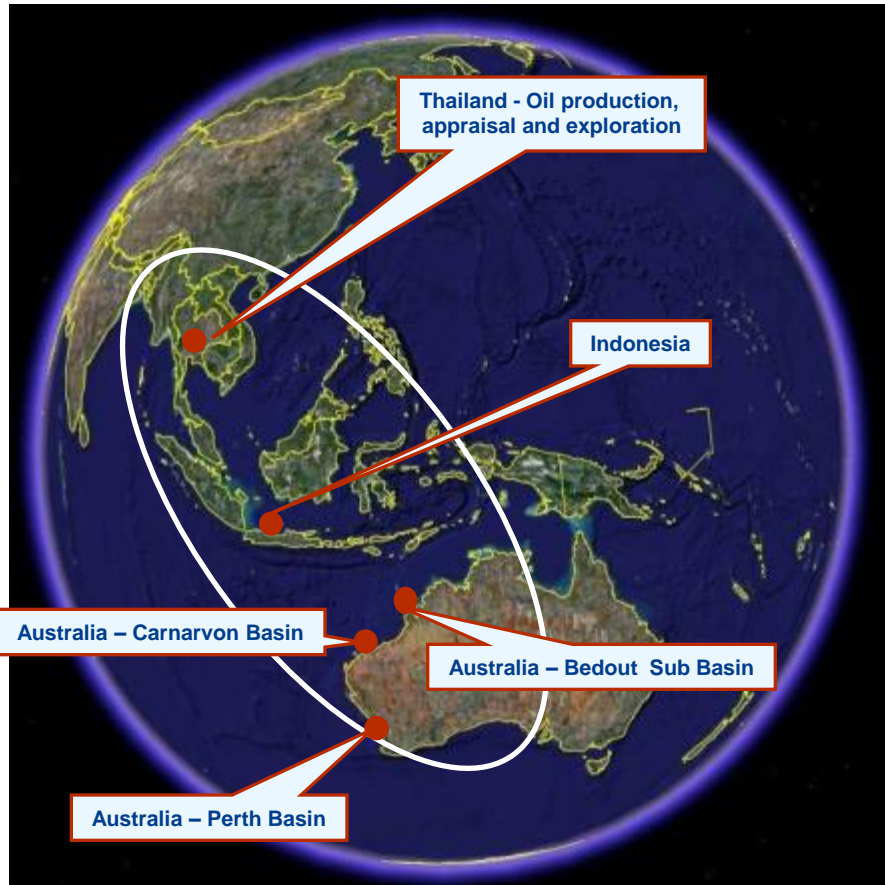


# Project Areas

## PRODUCTION

### THAILAND

- Production from onshore Thailand L44/43



## EXPLORATION

### THAILAND

- Three onshore Thailand licences
- Two onshore Thailand applications

### AUSTRALIA

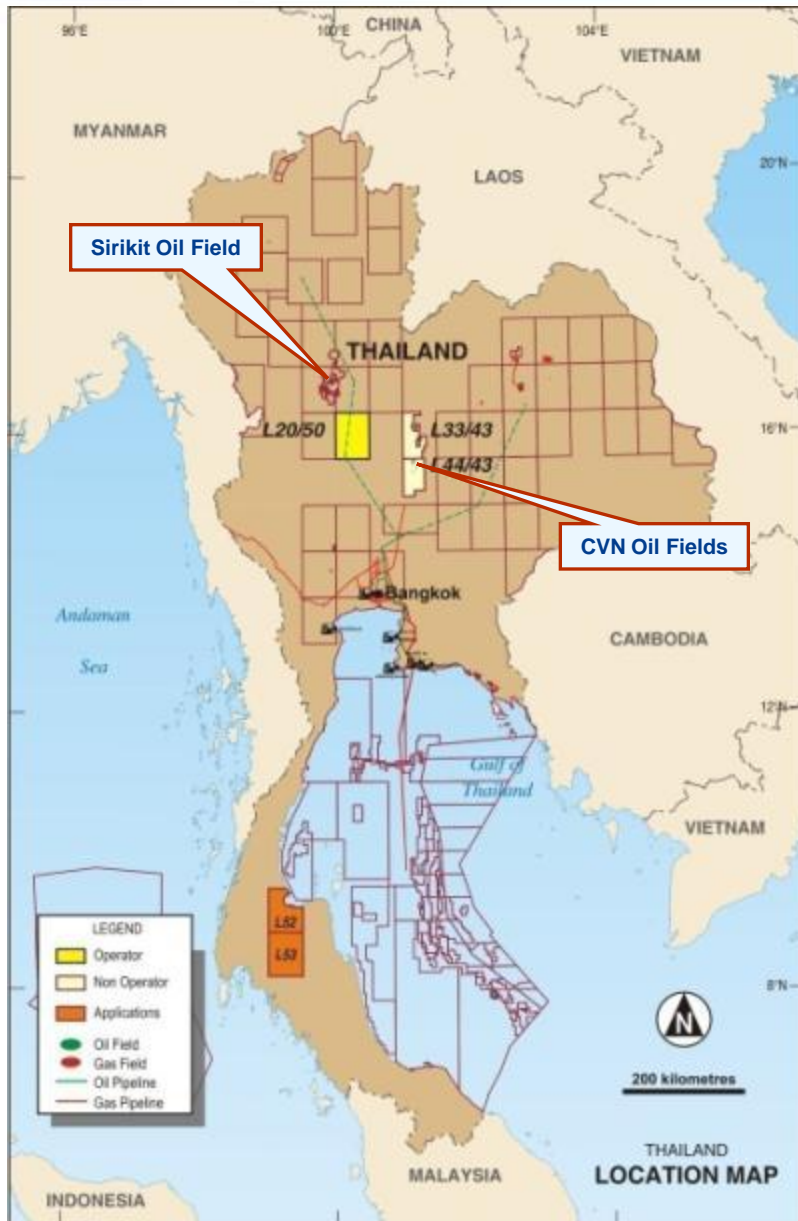
- Three offshore Carnarvon Basin licences
- Four offshore Bedout Sub-Basin licences
- Two onshore Perth Basin ORRI in Australia

### INDONESIA

- Study Group
- Actively looking for new opportunities



# Asset Portfolio - Thailand



## Licences

L44/43 - 40%	Production & Exploration
L33/43 - 40%	Exploration
L20/50 - 50%	Exploration

## Applications

L52/50 - 50%	Exploration
L53/50 - 50%	Exploration

## Excellent Infrastructure

Well cost US\$1-2mm

US\$2.50 trucking cost to Bangkok refinery

Crude price tracks SFO

CVN take ~ 30% over project life

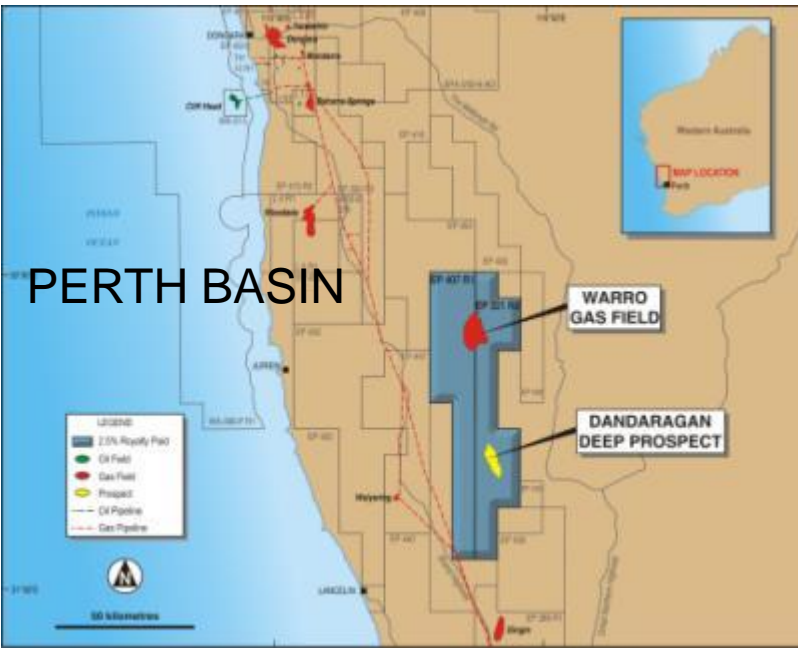
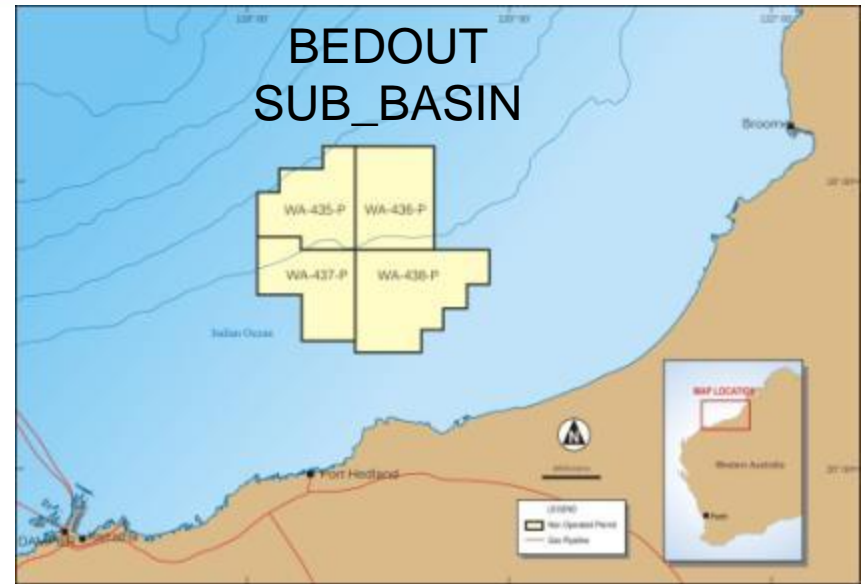
Royalty 5-15%

SRB tax 0-37.5% ring-fenced per license

Income tax 50% after royalty & SRB



# Asset Portfolio - Australia



## Licences

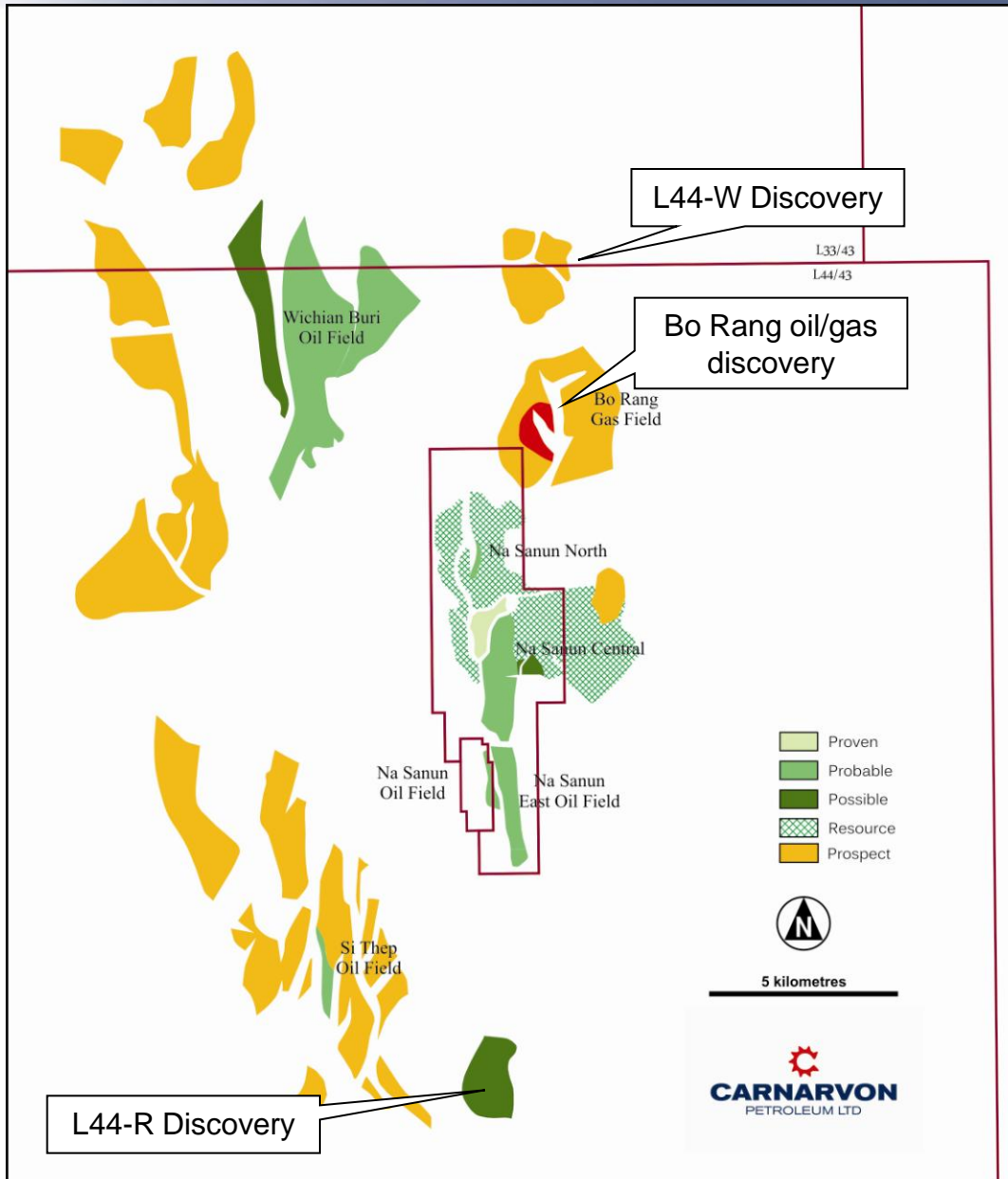
Bedout Sub-Basin  
 50% WA-435-P, WA-436-P,  
 WA-437-P, WA-438-P

Carnarvon Basin  
 35% EP 110  
 35% EP 424  
 50% WA -399-P

Perth Basin : Royalty interest Warro Gas Field



# L44/43 Overview Thailand



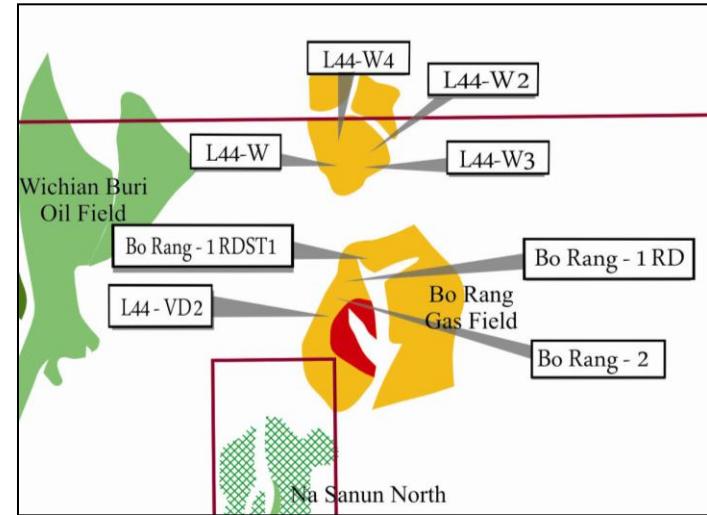
- Focus on fractured volcanic reservoirs
- Four producing oil fields
  - Na Sanun East - volcanic
  - Wichian Buri - Sandstone
  - Na Sanun - Volcanic
  - Si Thep - Sandstone
- 3 oil and gas discoveries
  - L44-W - volcanic
  - Bo Rang - volcanic
  - L44-R - volcanic
- Numerous undrilled prospects
- Average production ~ 9,000 bopd gross to JV for 2008/2009



# Recent Drilling L44-W to Bo Rang Trend



- Bo Rang-1 flowed gas 5.6 mmcf/d
- Bo Rang-1RD - Significant free oil (34API) observed at surface but didn't flow on test
- Bo Rang-2: Initially tested up to 1,200 bopd over short period before well was required to be sidetracked due to operational issues
- Bo Rang-2ST1: Currently on test, initial results flowing some oil and cleaning up. Requires further testing; potential recompletion
- L44-VD2: No fluid losses and sub-commercial oil flows in lower volcanic section. Sidetrack candidate into upper volcanic
- L44-W flowing at 700 bopd. Shut in after 90 day test period
- L44-W2: No losses through main volcanic – testing indicated main zone tight
- L44-W3: Losses encountered while drilling – testing initiated
- L44-W4: Well drilling

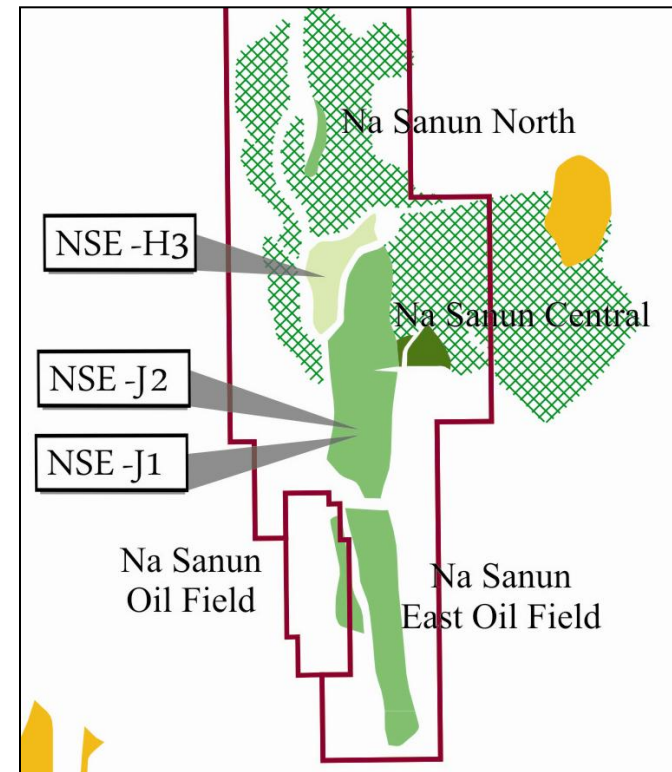


L44-W and Bo Rang possibly one large structure 13.8 sq kms in area



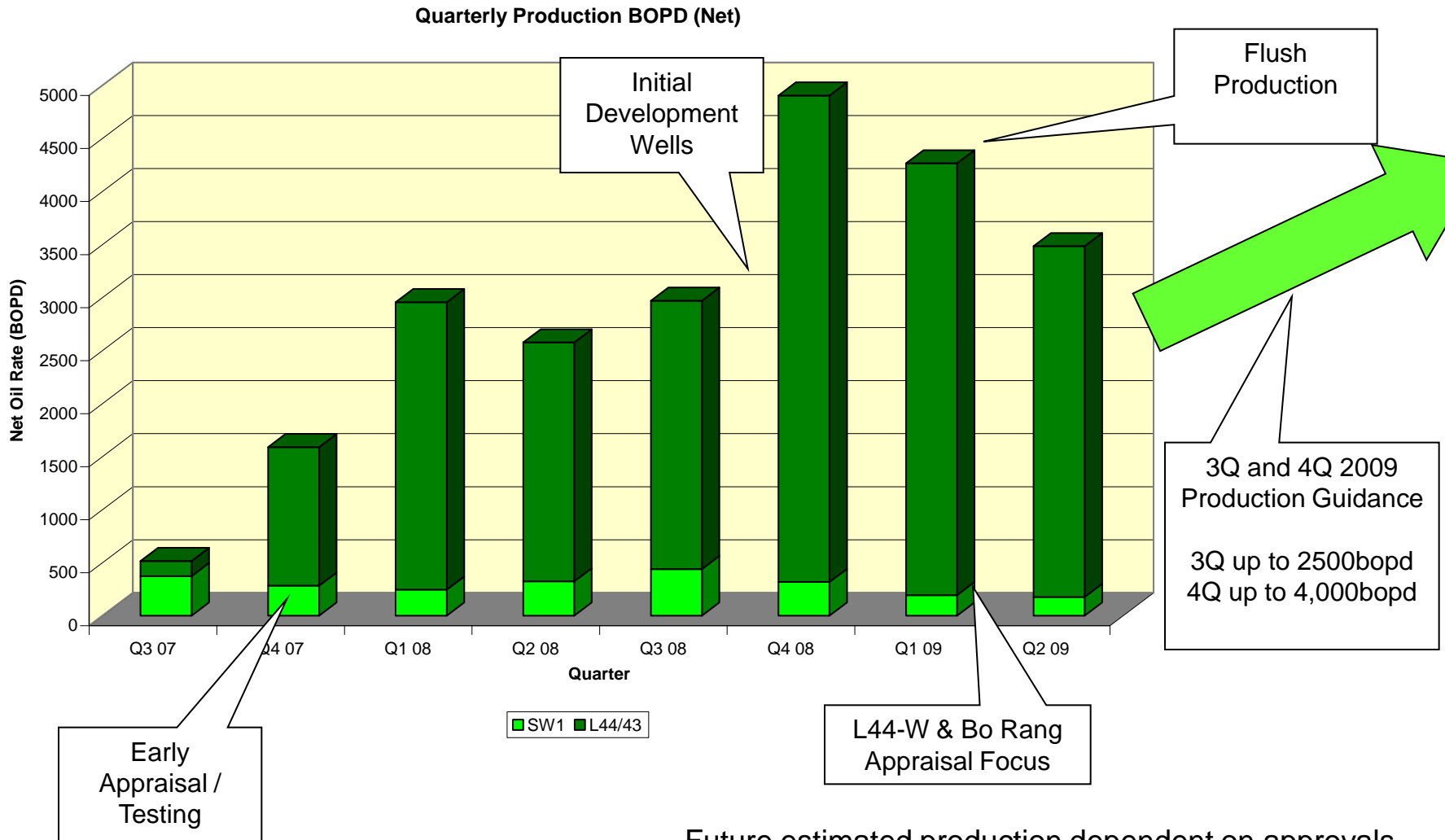
# Recent Drilling Na Sanun East Field

- Drilling has been focused on appraising L44-W and Bo Rang at expense of development wells
- NSE-J1: Fractured volcanic below field OWC – subsequent testing of an upper sandstone reservoir resulted in initial test rates of up to 200 bopd
- NSE-J2: Initially tested at 500 bopd – subsequent production of 100% water. Failed isolation job resulted in continued water production – to be re-perforated in sandstone horizon of NSE-J2





# Production

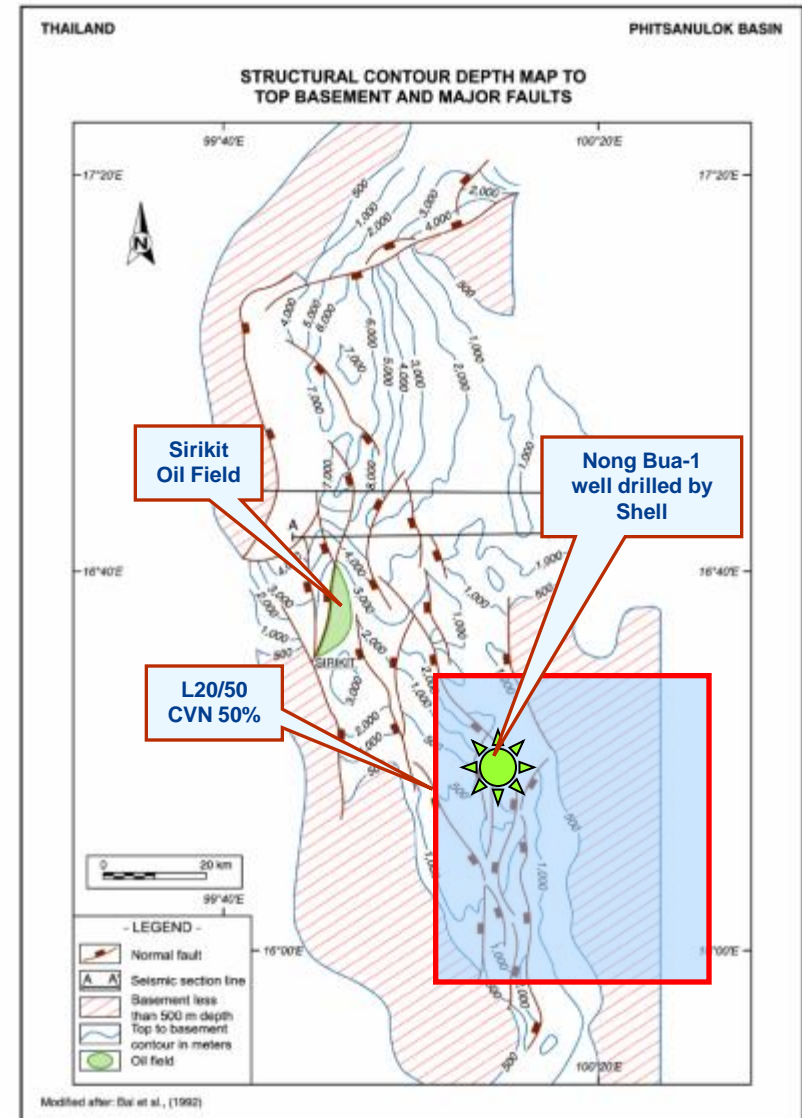


Future estimated production dependent on approvals and satisfactory appraisal of L44-W & Bo Rang



# L20/50 Thailand

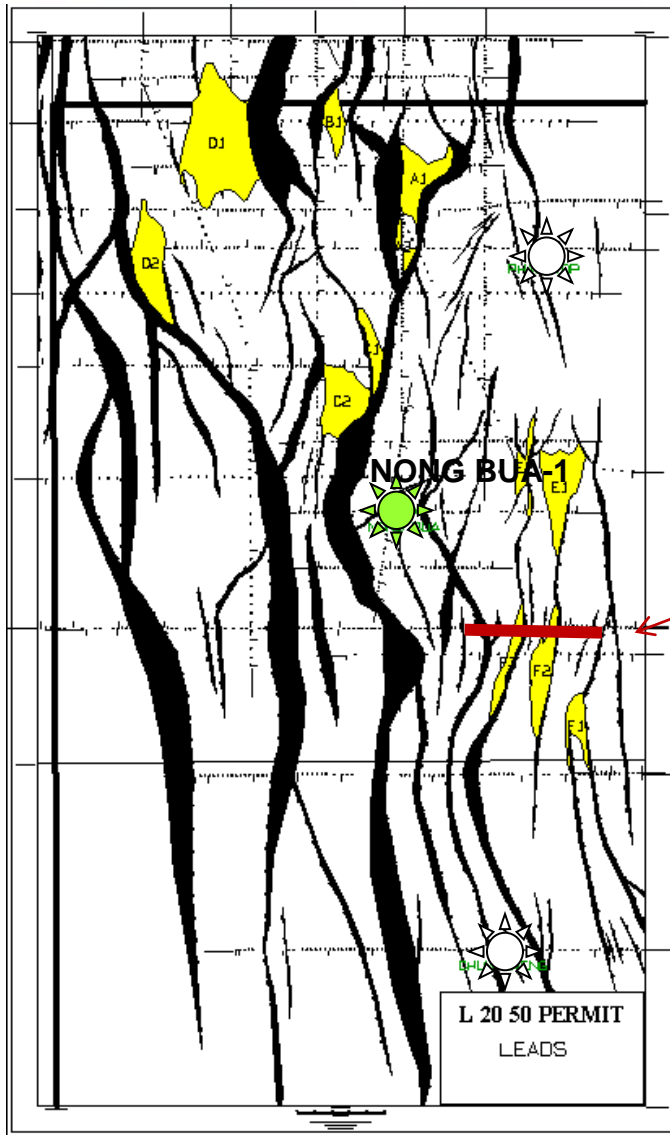
- Carnarvon 50% interest and operator, Sun Resources (ASX:SUR) 50%
- Southeast and on trend of large, 200 million barrel Sirikit Oil Field (produced over 150 mmbbls and still producing ~20,000bopd)
- ~1,000km 80's vintage 2D seismic interpreted
- Nong Bua-1 drilled by Shell with oil shows & potential oil column in sandstone
- Onshore infrastructure allows quick tie-in
- Analysis suggests potential for fractured volcanics similar to L44/43
- 550 kms 2D Seismic acquired
- Drilling up to 4 wells 2010





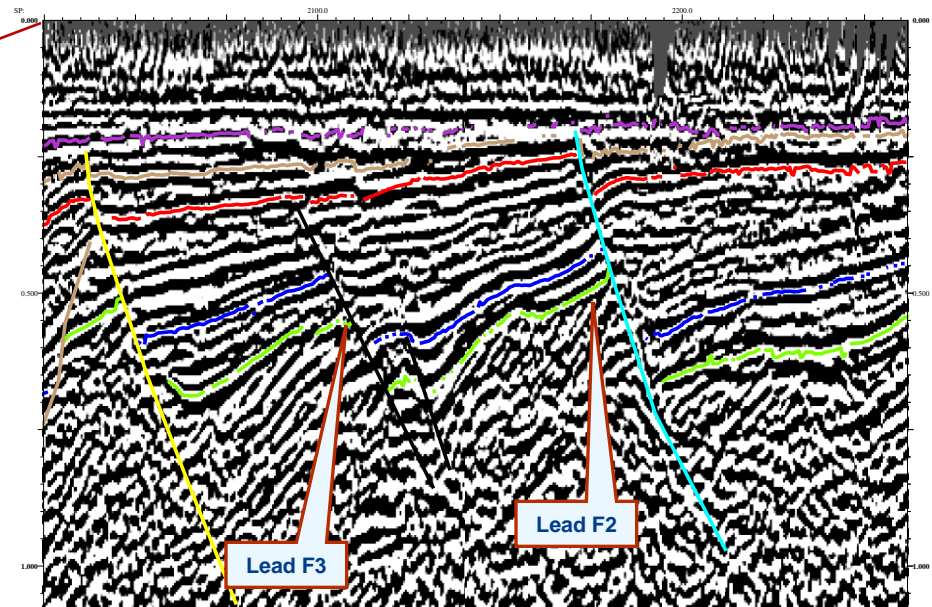


# Prospects - L20/50 Thailand



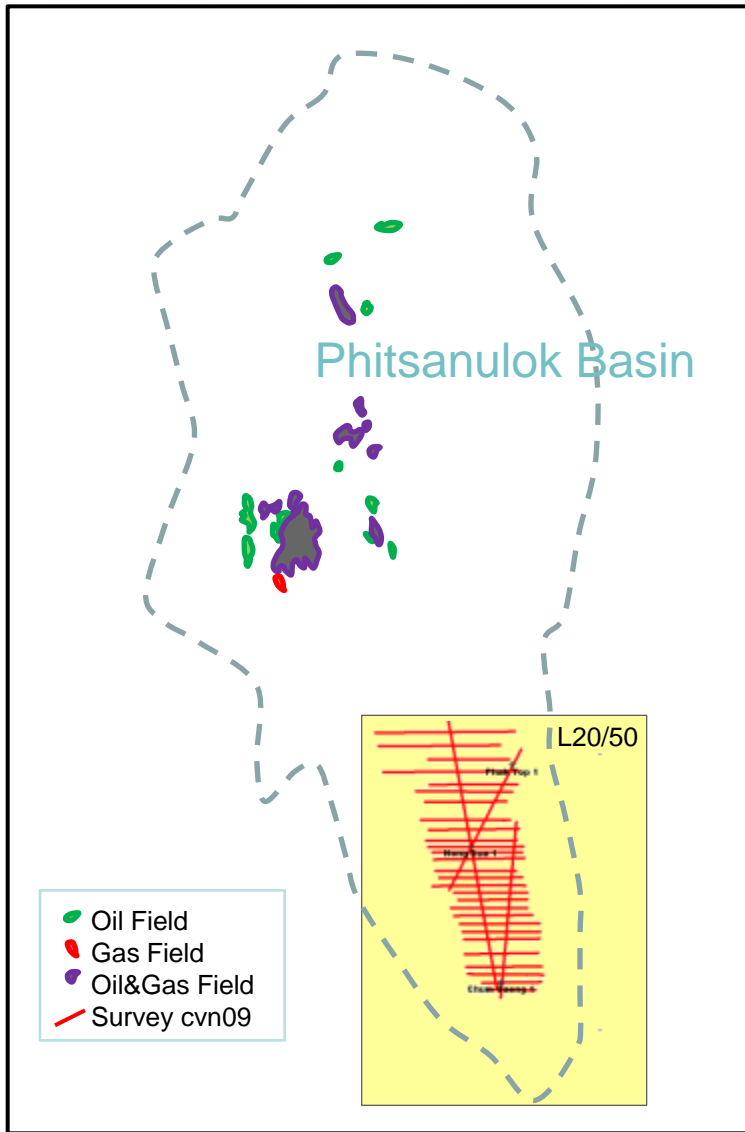
## Interpretation of previous seismic

- Significant structuring
- 3 previous wells drilled
- Nong Bua -1 in small closure – oil shows
- Other 2 wells outside closure





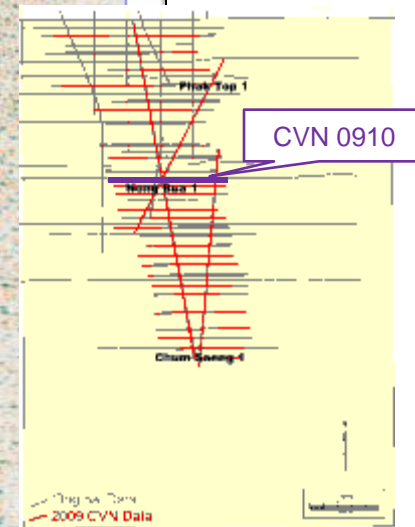
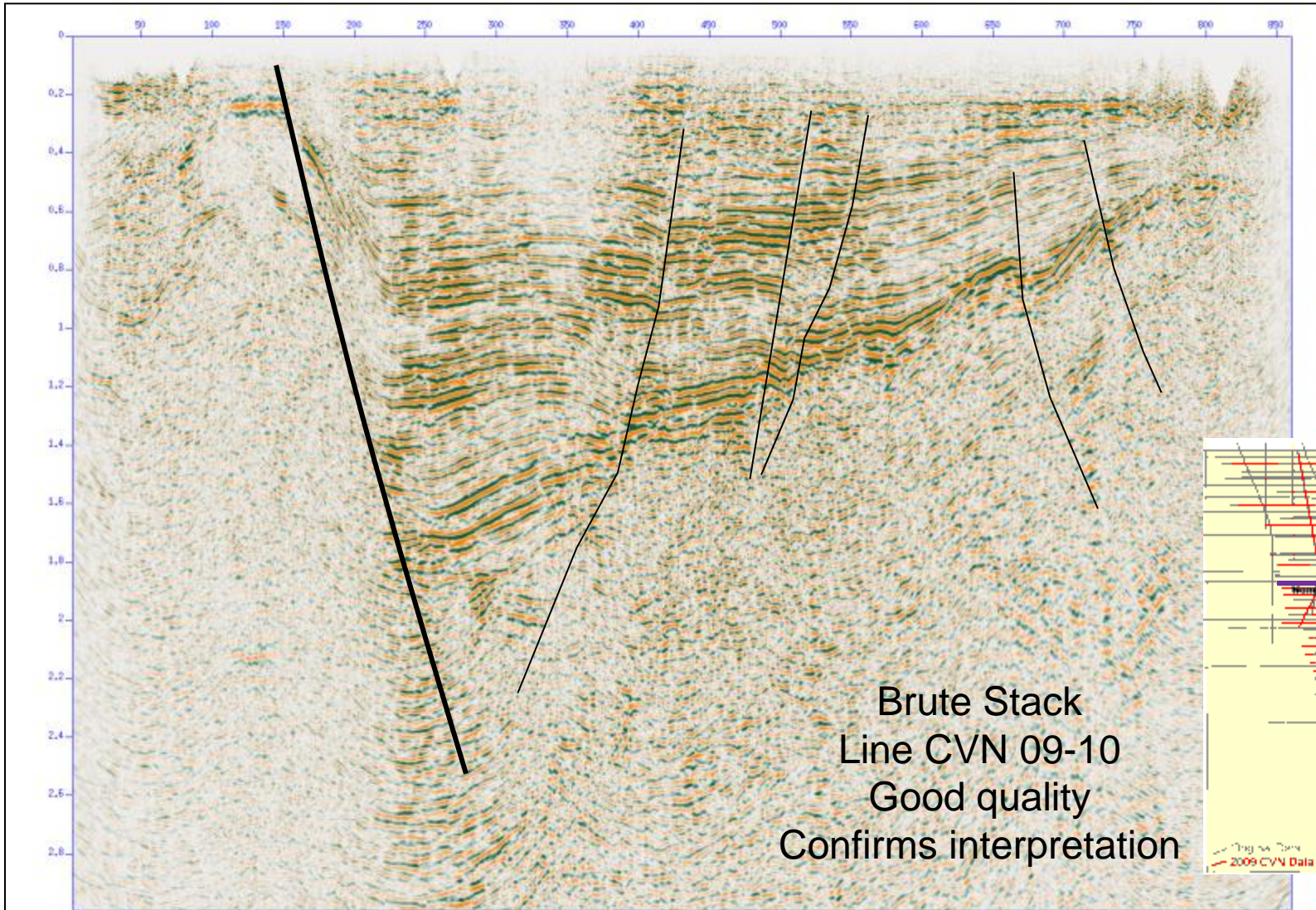
# Seismic Survey - L20/50 Thailand



## SEISMIC SURVEY

- 550 kms 2D acquired
- Seismic quality excellent
- Identified new sub-basin in south of permit

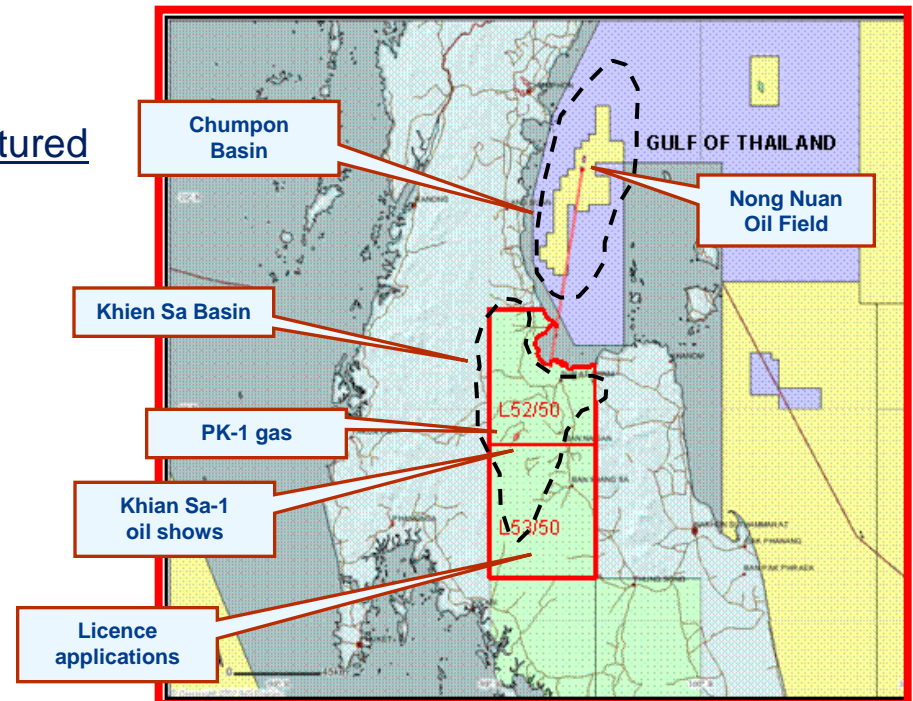
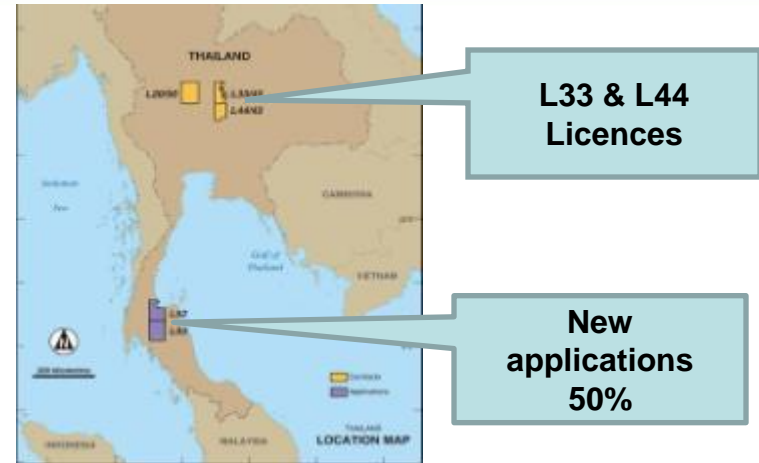
# Prelim Seismic Data - L20/50 Thailand





# L52/50 & L53/50 Applications Thailand

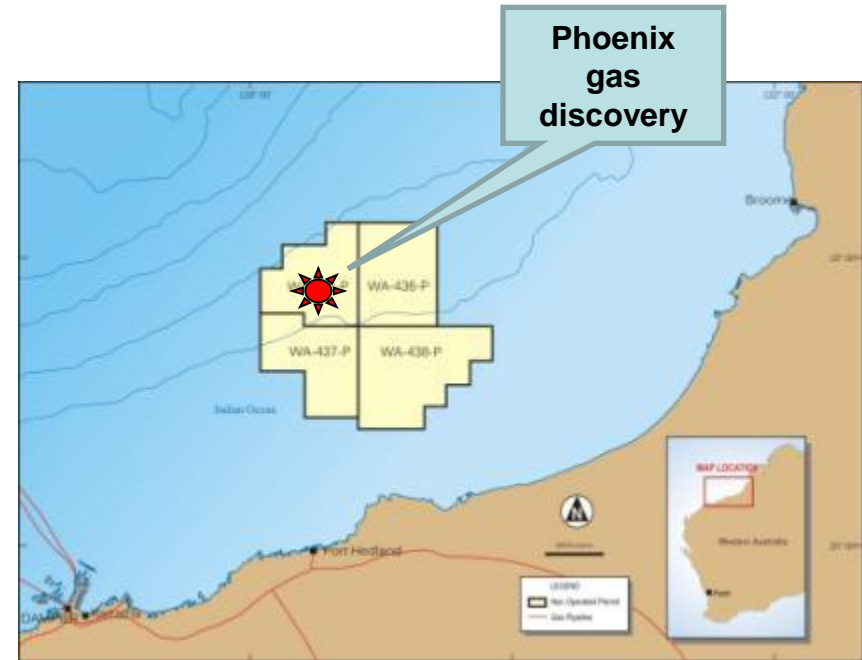
- Carnarvon 50%, Pearl Oil 50% and operator
- 2 large onshore permits – 6,950 sq kms
- Onshore extension of offshore Gulf of Thailand
- 6 wells drilled (4 shallow for CBM and 2 deep for oil)
- Oil seeps surround basin
- Oil shows in Khian Sa-1
- Small gas discovery at PK-1
- Nearby Nang Nuan oil field offshore in fractured carbonates
  - Approx 5 mmbbls recovered
  - Max flow 10,540 bopd from 1 well
- **Awaiting licence award**
- **Seismic now likely 2010**





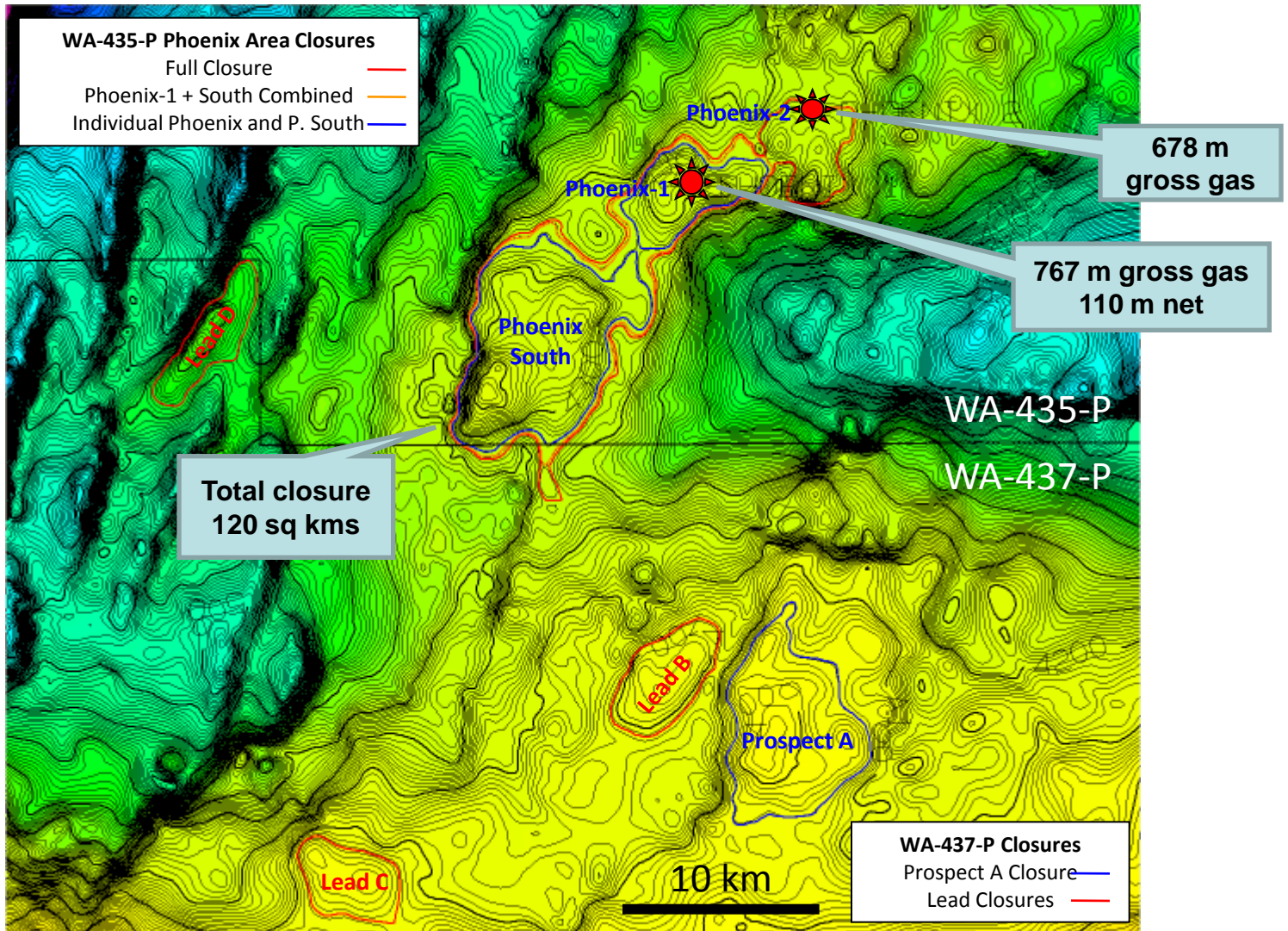
# Phoenix licenses - Australia

- Carnarvon is acquiring 50% of 4 large permits WA-435,436,437,438-P
- Covers 21,000 sq kms
- Bedout Sub Basin – offshore WA Water depth 35m to 265m
- Contains Phoenix gas discovery
- Phoenix-1: approx 110 metres net gas bearing section





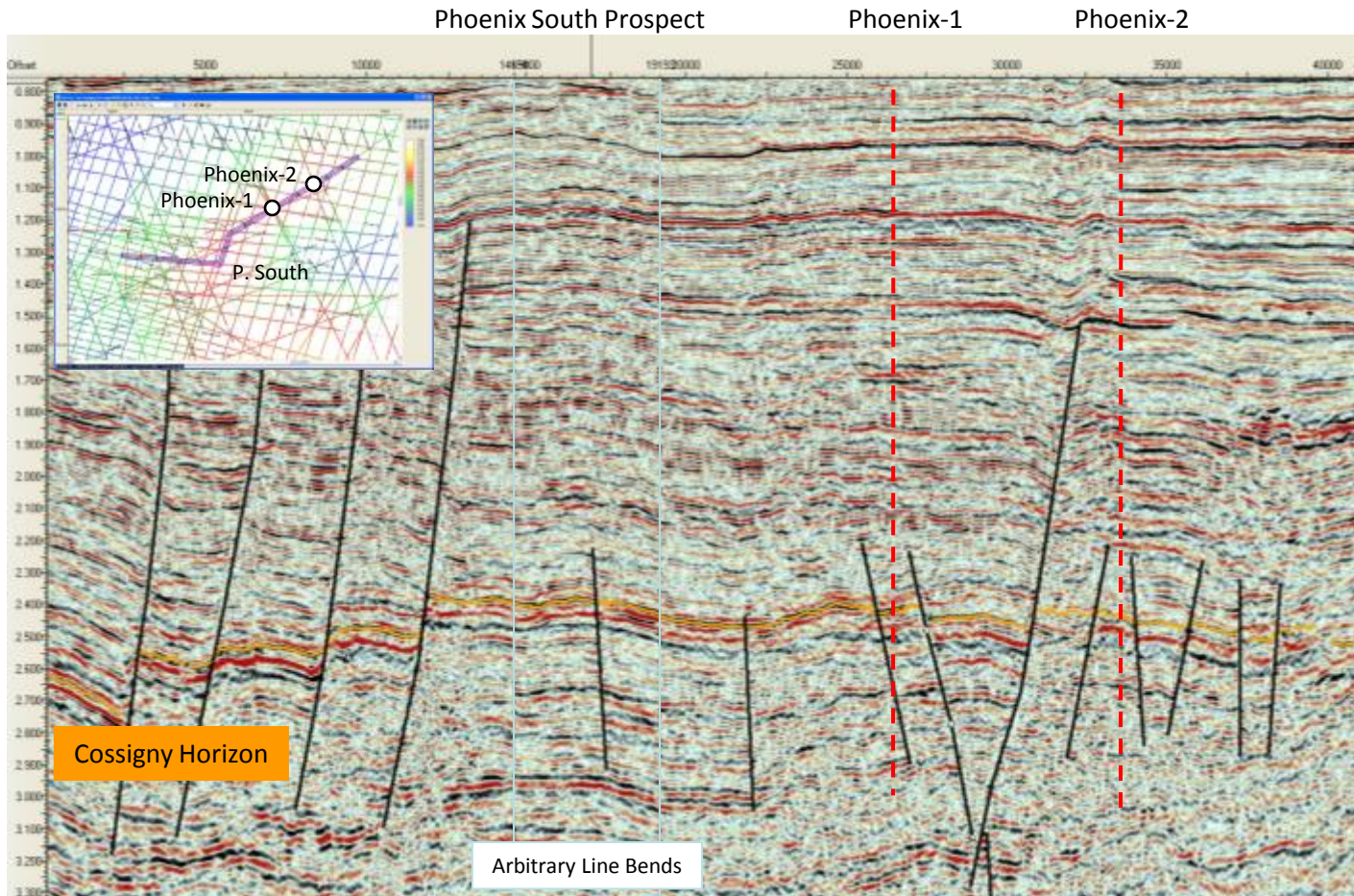
# Phoenix licenses - Australia



Depth Structure Map of Near Top Triassic Gas Sand Level



# Phoenix licenses - Australia



Seismic Section through Phoenix Structure



# Summary – In Planning

## Thailand

L44/43:

- Continue appraisal drilling Bo Rang & W discoveries
- Obtain production licences for W and Bo Rang discoveries
- Drill Si Thep volcanic and sandstone
- Drill Na Sanun West volcanic
- Drill Wichian Buri Deep volcanic
- Appraisal drilling of NSE contingent resource
- Development drilling to build production

L20/50:

- Processing & interpretation of new seismic survey
- Prepare for drilling up to 4 wells early 2010

## Australia

Phoenix licence: Record 3D seismic over Phoenix structures

## International

Close to finalising several new ventures with near term activity

Actual programme dependent on Govt and JV approvals





# Conclusion

- Growing cash - some spending on exploration
- Growing reserves and production
- Continuous drilling programme
- New Ventures being added

