Investor Update

October 2010





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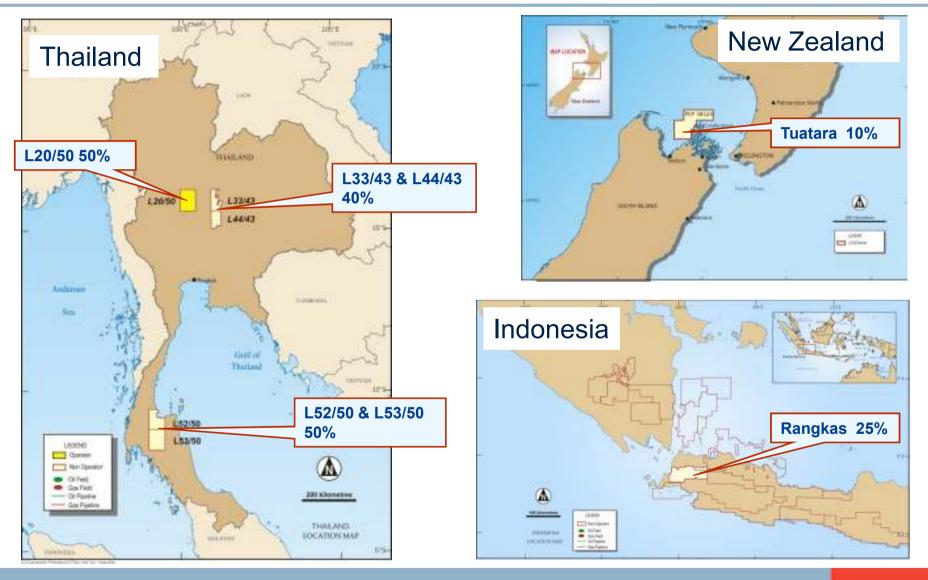
Introduction / Latest News



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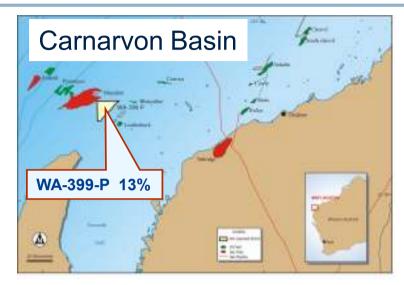
Projects - International



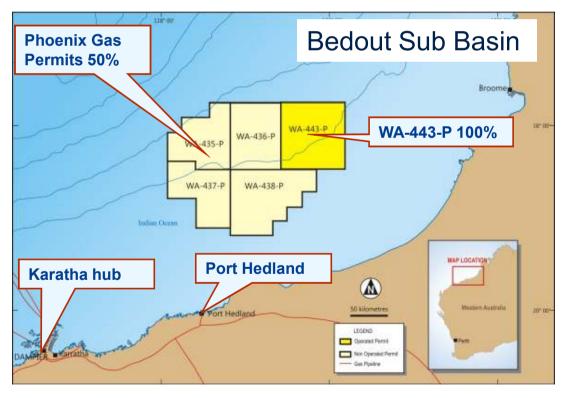


Projects - Australia



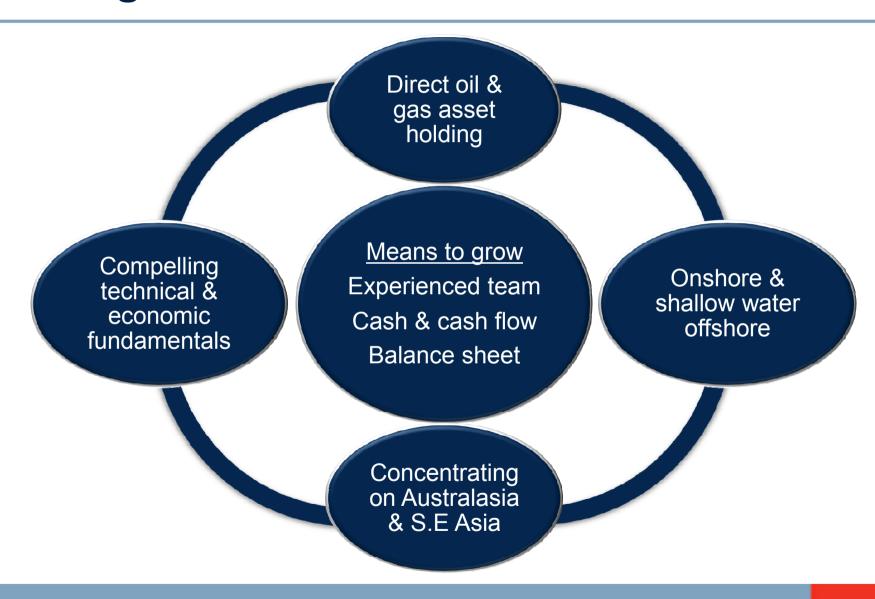


WA 399-P farmed out CVN retains 13% for free carry through 3D Seismic



Strategic Position





Current Asset Position



Carnarvon's growth plans are focused on adding assets that create a quality portfolio

**	Thailand	Australia	Indonesia	New Zealand
Exploration	6 onshore permits	6 offshore permits	1 onshore permit	1 offshore permit
Appraisal	3 onshore permits		F	. .
Production	6 onshore licences			

People





Peter Leonhardt – Chairman
FCA, FAICD (Life)
Independent non-executive director
Finance, accounting, business management, governance



Edward (Ted) Jacobson – Chief Executive Officer B.Sc (Hons) Geology Executive director Company founder, geologist, corporate strategy



Neil Fearis – Chairman of the Audit & Remuneration Committees LL.B (Hons), MAICD, F.Fin Independent non-executive director Commercial, legal, governance



William Foster
BE Chemical
Independent non-executive director
Technical, operations, commercial

Key Metrics (as at September 2010)



Production (net) 4,500 bopd

Market capitalisation A\$275 million

2P reserves (net) 24.5 mmbbls

3P reserves (net) 57.0 mmbbls

Reserve life 25 years

EV / 2P reserves A\$11.25 / bbl

EBIT / bbl produced A\$43.25 / bbl

NPAT / bbl produced A\$16.60 / bbl



2010 CY Highlights



- 48% reserves upgrade in L44/43 permit (Thailand)
- New discoveries in volcanics at Wichian Buri produces >3,500 bopd from first well and >5,000 bopd from second well (Thailand)
- New discovery in L33/43 Concession to be appraised & developed under new production licence (Thailand)
- New venture Tuatara-1 well tested 80 – 100 mmbbl potential (New Zealand) with oil & gas shows but not commercial



Upcoming Activities



- L44/43 (Thailand) and L33/43 (Thailand) drilling appraisal and development wells in Q4, 2010 & Q1, 2011
- Phoenix (Australia) seismic acquisition program Q3/Q4, 2010 with farmout program commencing Q2, 2011
- Rangkas PSC (Indonesia) seismic acquisition Q3/Q4, 2010
- L20/50 (Thailand) drilling one firm and two contingent exploration wells in Q4, 2010



Operations - Thailand





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L44 & SW1A Overview







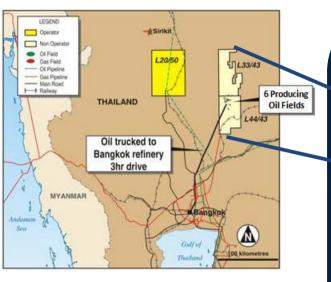




L44 & SW1A Overview



High margin production with exploration upside



- Onshore close to quality infrastructure
- Opex & trucking ~US\$10.80/bbl
- Depreciation / amortisation ~US\$7.20/bbl (*)

 (*) Based on current accounting policy and estimates
- Production ~1.0 mmbbls p.a. net
- 2P reserves of 24.5 mmbbls net

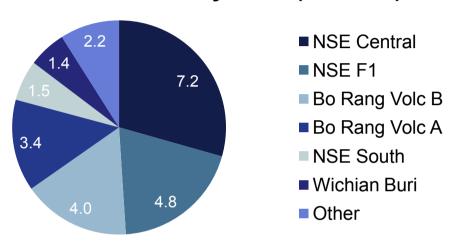


Carnarvon 40% POE Operator

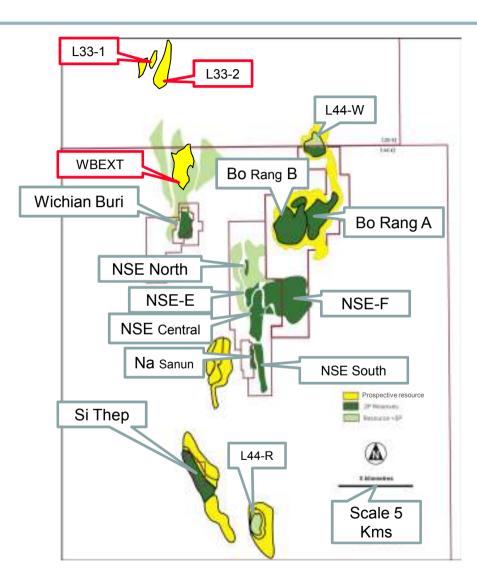
L44 & SW1A Field Overview



2P Reserves by Field (mmbbls)



- Significant resources from recent discoveries at WBExt and L33 not included in current reserves estimates
- 2P reserve estimates at NSE Central and NSE F1 likely to be downgraded at year end

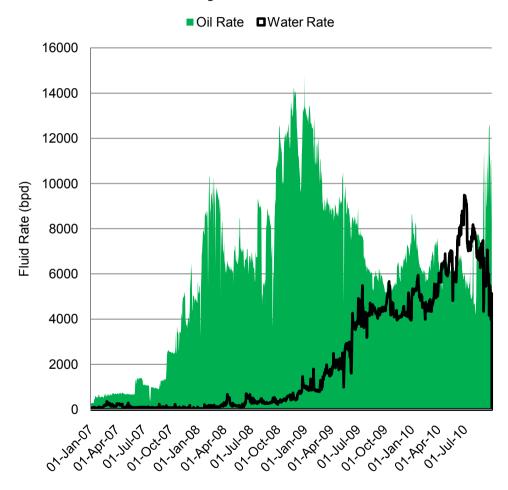


L44 & SW1A Production Overview



- Production predominantly from fractured reservoirs
- Recent success at WBExt has significantly increased production levels
- Production levels driven by:
 - number of wells on flush production in a given period;
 - number of production wells in a given period;
 - decline rates, which vary from well to well.
- Water cut is currently at a manageable 63%, within field capability

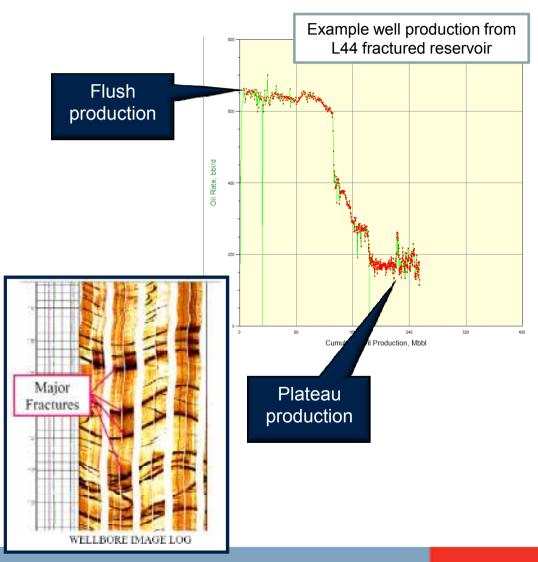
Daily Production



Fractured Reservoirs



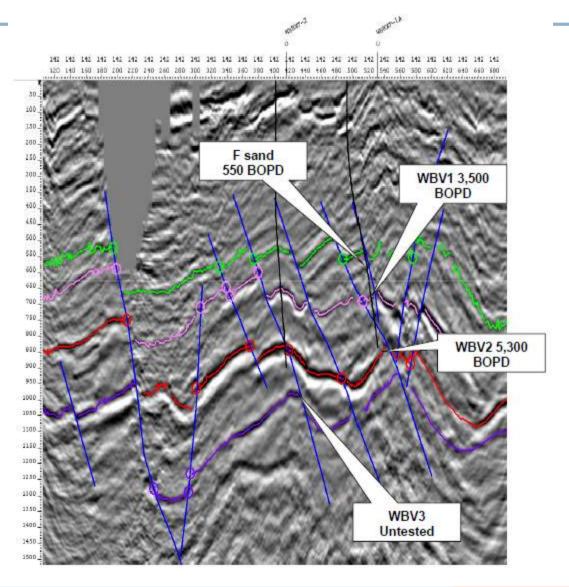
- L33, L44 & SW1A contain multi layered oil filled fractured reservoirs
- Massive lost circulation no returns over reservoirs
- Heterogeneous nature of fracturing means individual well performance varies:
 - 100,000 bbls to 1.5 million bbls per well
 - Potential for infill locations
- Fracturing also results in varying water cut



WBEXT Area



- Multiple, stacked pay zones in volcanic and sandstone reservoirs
- Multiple fault compartments that require a large number of wells to define reserves
- Recent successes resulting in excellent flow rates
 - Highest flow from sandstone of 550 bopd from WBExt-1
 - Highest flow from a volcanic of 5,300 bopd from WBExt-1A

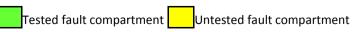


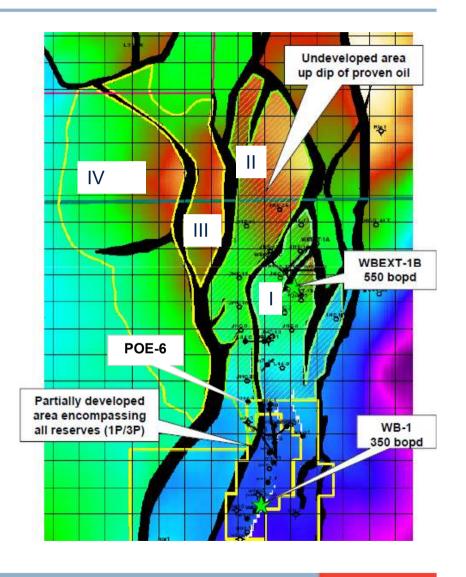
WBExt Sandstone "F sand" reservoir



- F sand discovered 1988 (Wichian Buri)
 - Total Wichian Buri field 999,000 bbls
 - WB-1 well cumulative production of 475,000 bbls initially producing at 350 bopd
- WBExt-1B extends good quality reservoir
 F sands to the north and west
- 20 square km prospective area

PROSPECTIVE RESOURCE ESTIMATES (Unrisked, Operator)			
_	Low	Mid	High
Prospect Name	MMbbls	MMbbls	MMbbl
I (WBExt-1B)	4.3	5.7	7.4
II (POE-6)	7.0	9.1	11.7
Ш	1.6	2.6	3.9
IV	5.5	9.1	13.8
Total	18.4	26.5	36.8
Net CVN (40%)	7.4	10.6	14.7





WBExt Volcanic "WBV1" reservoir



Excellent recent results

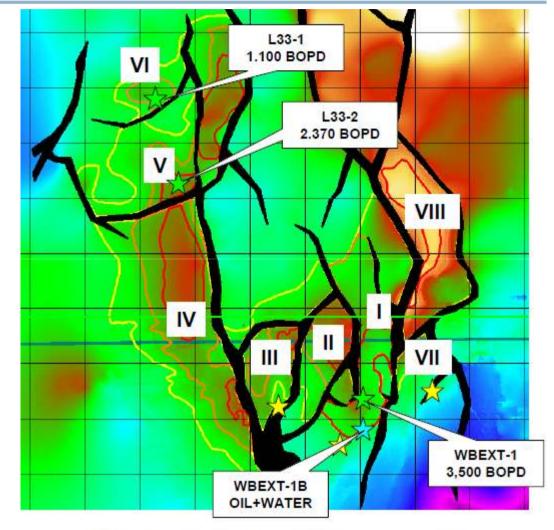
• L33-1 1,100 bopd

L33-2: 2,370 bopd

• WBExt-1: 3,500 bopd

PROSPECTIVE RESOURCE ESTIMATES (Unrisked, Operator)			
Prospect Name	Low MMbbls	Mid MMbbls	High MMbbl
I (WBExt-1)	2.1	3.6	5.8
II	1.0	1.6	2.3
III	0.4	1.0	1.8
IV	3.6	6.4	10.7
V (L33-2)	2.1	4.0	6.6
VI (L33-1)	0.2	0.4	0.6
VII	0.4	0.6	0.8
VIII	1.7	3.0	4.9
Total	11.5	20.6	33.5
Net CVN (40%)	4.6	8.2	13.4

Tested fault compartment Untested fault compartment





Existing well pad



Producing well

WBExt Volcanic "WBV2" reservoir



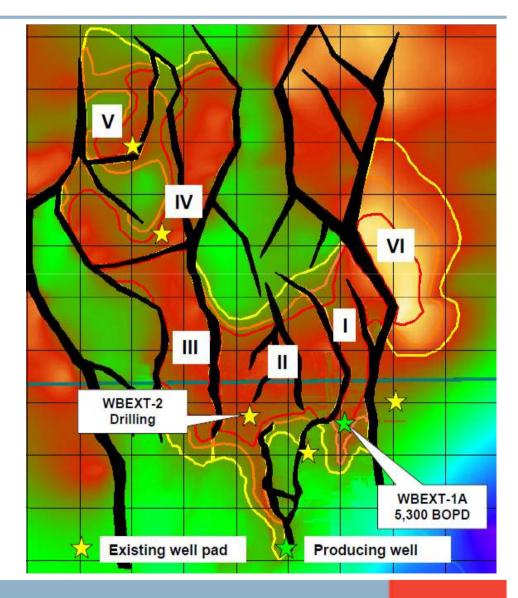
Excellent recent results

WBExt-1A: 5,300 bopd

WBExt-2: 1.6 MM scf/day

PROSPECTIVE RESOURCE ESTIMATES (Unrisked, Operator)			
Prospect Name	Low MMbbls	Mid MMbbls	High MMbbl
I (WBExt-1A)	2.8	4.3	6.2
II (WBExt-2)	5.4	8.6	12.7
III	3.6	5.6	8.1
IV	6.0	9.8	14.5
V	1.6	2.6	4.4
VI	2.8	5.1	8.3
Total	22.2	36.0	54.2
Net CVN (40%)	8.9	14.4	21.7

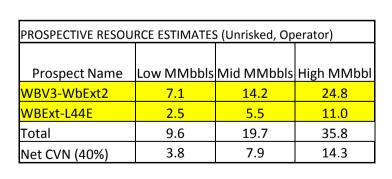


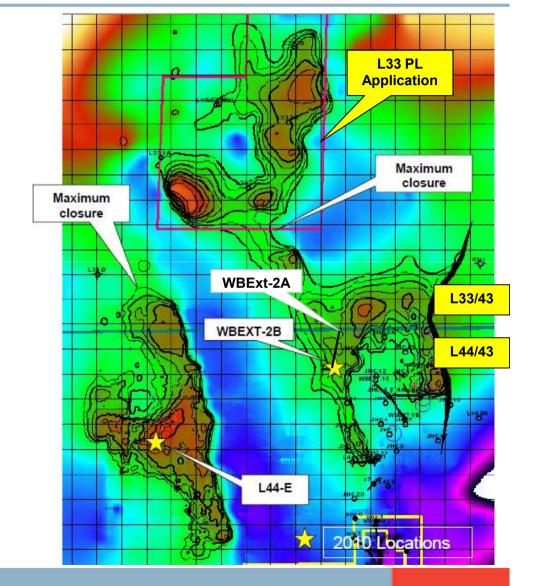


WBExt Volcanic "WBV3" reservoir



- Untested by any wells drilled to date
 - WBExt-2A currently drilling
 - Further well at L44-E proposed before end of year
- Large potential upside extends into L33, largely covered by L33 production license application



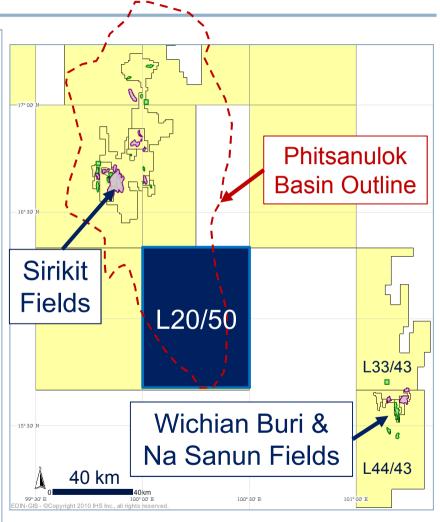


Tested fault compartment Untested fault compartment

L20/50



- On trend with 200 million barrel Sirikit Oil
 Field located ~50 km to NW (now
 producing ~20,000 bopd; over 150 mmbbls
 produced)
- Basin modelling and oil shows in previous well indicate oil potential in L20/50
- Three drillable prospects identified
- Official written approval received for the Environmental Impact Assessment ("EIA") submitted earlier this year for drilling
- Local permitting work is complete
- Planning for drilling 1 firm and 2 contingent wells in Q4 2010 to Q1 2011 progressing

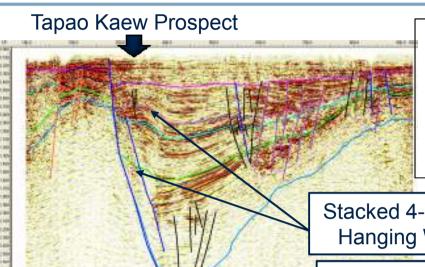


Carnarvon 50% & Operator

L20/50

Dip Line





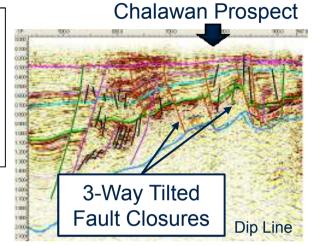
Krai Thong Prospect

Interpretation reveals a deep basin and multiple plays, prospects & leads

Three (3) independent prospects ready to drill

Stacked 4-Way and 3-Way Hanging Wall Anticlines

4-Way Dip Closures with Mounded and Stacked Alluvial Fan-Deltas ____



Nong Bua - 1

Tital Titorig Trospect

Automatical auto

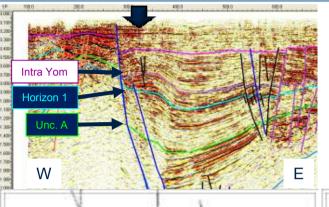
PROSPECTIVE RESOURCE ESTIMATES (Unrisked, CVN Staff)

Prospect Name	Low	Mid	High
	MMbbbls	MMbbbls	MMbbbls
Tapao Kaew (CVN-5)	5.7	21.0	42.5
Krai Thong (CVN-3)	9.3	37.3	71.6
Chalawan (CVN-4)	6.7	32.4	66.3
Total	21.7	90.7	180.4
Net CVN (50%)	10.9	45.4	90.2

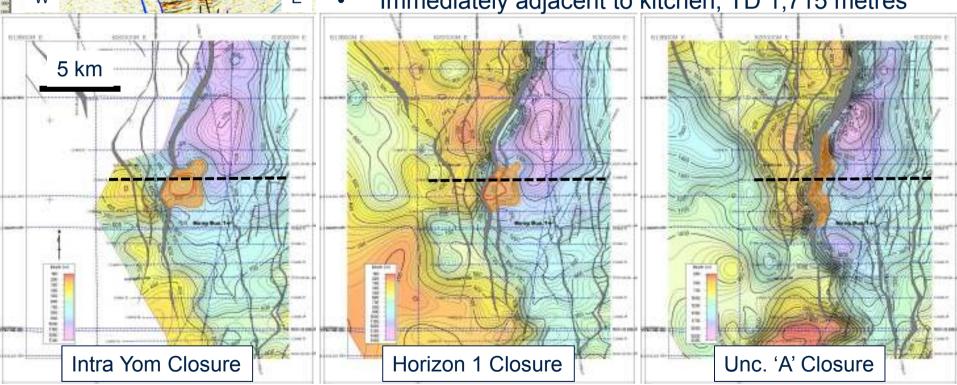
Strike Line

L20/50 Tapao Kaew Prospect





- Stacked, hanging-wall anticline closures
- 4-way dip at Intra Yom Fm level
- Faulted 3-way buttress at Hor.1 and Unc. A levels
- Potential 21 MMbbls Pmean recoverable oil
- Immediately adjacent to kitchen; TD 1,715 metres



L52/50 & L53/50



- Exploration concession formally granted Feb 2010
- The combined area of the two blocks is large, comprising approximately 6,950 km²
- Both permits are lightly explored, with only two deep wells and limited seismic data available
- On trend, and in a similar basin, to an offshore field that flowed up to 10,000 bopd from one well

Commitments – 1st Three Year Obligation

- geological studies;
- geophysical data acquisition; and
- two wells

Total expenditure of around US\$2.6 million gross (US\$ 1.3 million net to Carnarvon).



Carnarvon 50%Pearl Oil Operator

Operations – Other Regions





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33	Tuatara (New Zealand)

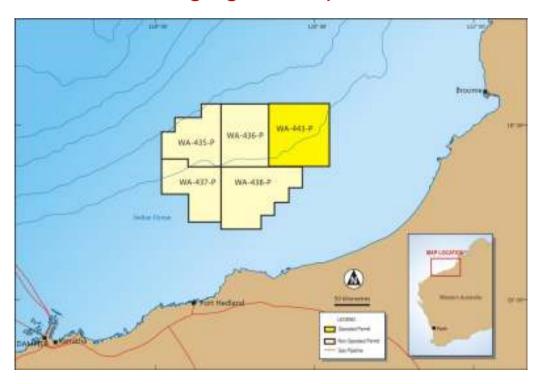
Phoenix Blocks (*)



(*) Blocks comprise WA-435-P, WA-436-P, WA-437-P, WA-438P & WA-443-P

- Permits acquired when most of the industry was distracted with GFC issues
- 28,300 km² area in relatively shallow water close to WA shoreline
- Partnership with Finder Exploration, which has a history of successful farmout negotiations
- Acquired for minimal commitments in first three year obligation period

Permits secured through gazettal process

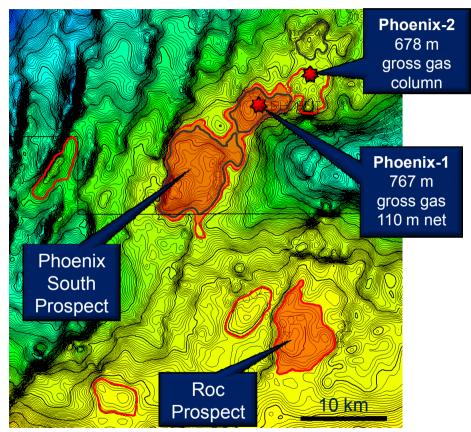


Carnarvon 50% (except WA-443-P which Carnarvon operates 100%) Finder Exploration Operator

Phoenix Blocks



- WA-435-P contains the Phoenix gas discoveries
 - Phoenix-1: ~110 metre net gas-bearing section
- Key targets in ~100 m water depth with multi-Tcf recoverable resource potential
- New 2D and 3D data will mature prospects to drillable status



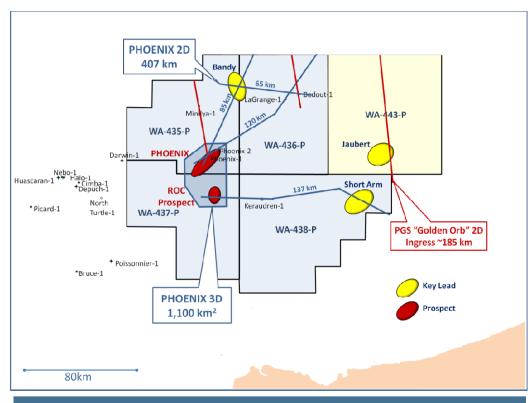
Depth Structure Map of Near Mid Triassic Gas Sand Level

Phoenix Blocks



- Acquisition of 1,100 km² of 3D data scheduled for November 2010
- Acquisition of 407 km of 2D data scheduled for November 2010
- Acquisition of 15,847 km² of aeromagnetic data completed May 2010
- 2010 budget of A\$3 million net to Carnarvon

Year one data acquisition underway

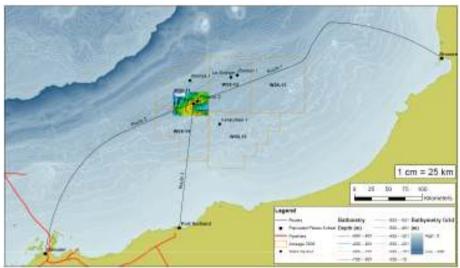


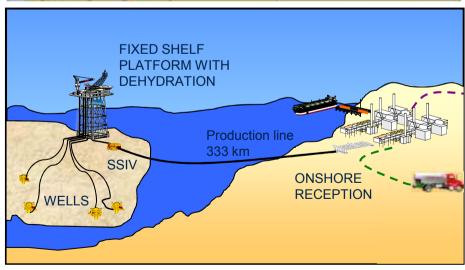
Accelerated year one work program will fulfil the first three years of the permit's work commitments

Phoenix Blocks



- Gas discoveries in shallow water (~100 m)
- Field is within ~250 km of current and proposed onshore LNG plants
- The Joint Venture has a window of several years in which to realise value from the asset
- The Joint Venture intends to seek a farm-in partner prior to drilling a well or wells





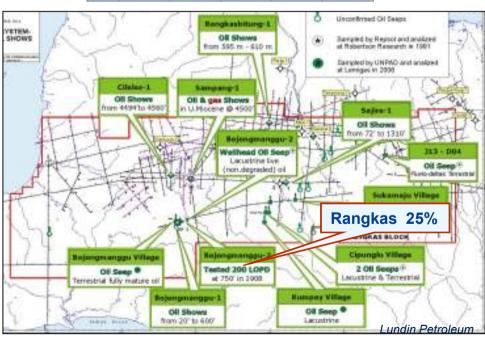
Granherne Concept Study

Rangkas PSC



- Carnarvon farmed into the permit in September 2009
- Large permit located onshore West Java, close to Jakarta
 - Previous wells (last in 1991) targeted shallow Neogene carbonates; deeper Paleogene clastic play is untested
 - Direct evidence of live oil from seeps and previous exploration in block
 - Pertamina discoveries (2007-2010) in nearby West Java block tested from 80-3000 bopd and 3.5-15 MMscfg/d from fractured basement play
 - Gas discoveries can be commercialised
- Drilling expected 2011 / 2012

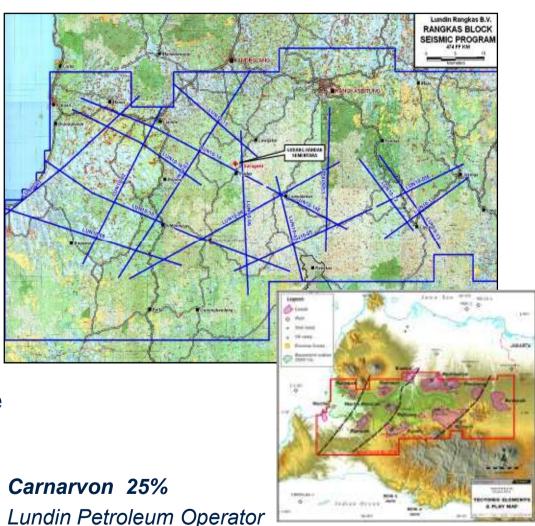




Rangkas PSC



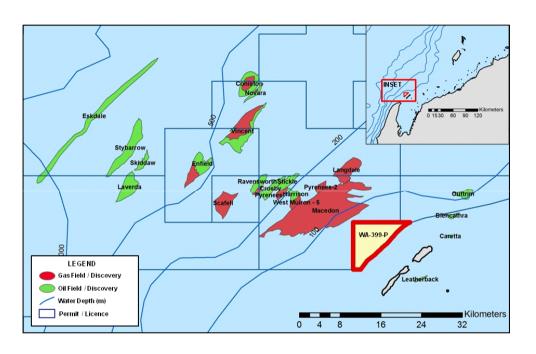
- Acquisition of 474 km of 2D seismic data scheduled for September 2010
- Data will refine geophysical mapping which reveals over 12 significant leads
- Environmental baseline study complete
- Reprocessing of 1000 km of existing 2D data complete
- Core/reservoir study complete
- Petrophysics and basin modelling studies underway



WA-399-P



- Apache farmed into the permit in July 2010
- 3D acquisition in planning stage, will be funded by Apache
- Multiple play types expected to be better assessed with the 3D seismic data
- Nearby and on trend with large oil and gas fields
- Acreage located in the Exmouth Sub-basin, ~30km NNE of Exmouth



Carnarvon 13% Apache Operator

Tuatara (New Zealand)



- Well drilled August 2010
- Exploration well commitment was ~US\$3.2m (net to CVN)
- Target prospect 80-100 mmbbl
- Result: Intermittent gas and oil shows
- Next Phase: Joint venture to undertake technical assessment of well results before assessing additional prospects



AWE (operator)	60%
Roc Oil	20%
Kea	10%
CVN	10%

Corporate / Finance



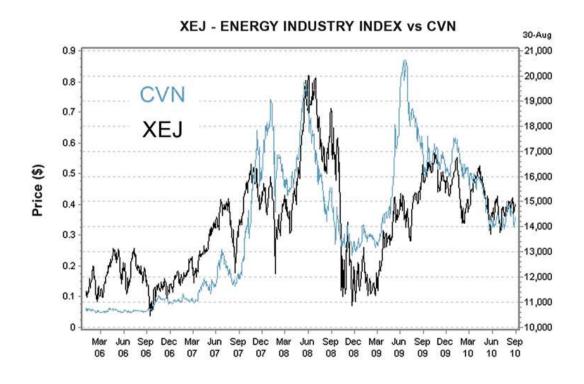


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Capital Structure



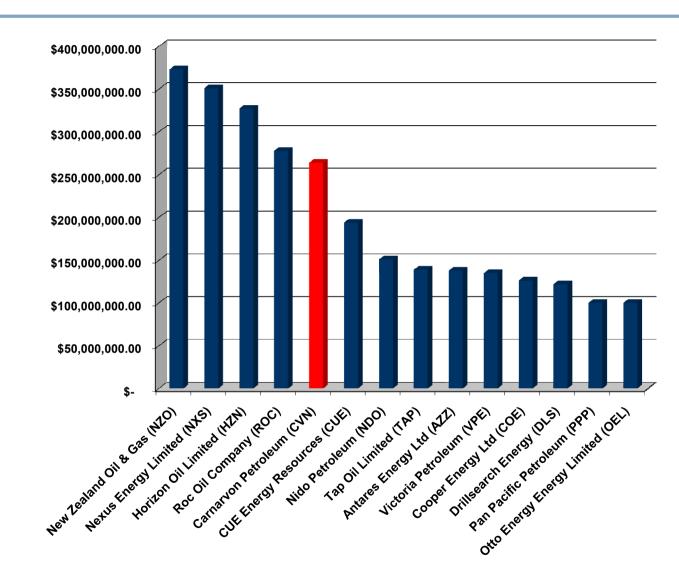
•	Market capitalisation	\$275m	Directors & staff hold	9.0%
•	Share price (as at 4 Aug 2010)	<u>\$0.40</u>	Shareholders	
•	Options	nil	Currently there are no signification shareholders	
•	Issued shares	687m	Significant Shareholdings (<u> </u>



Peer Comparison

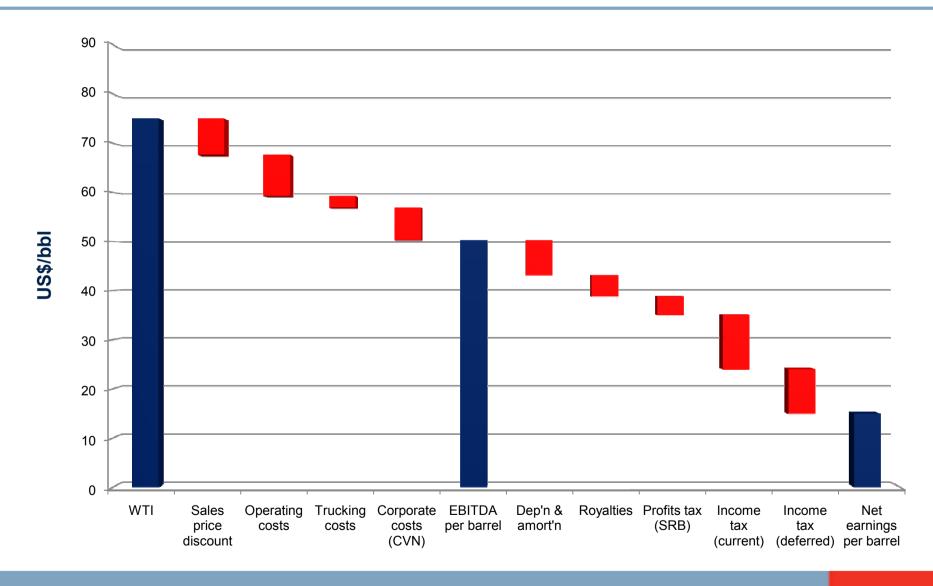






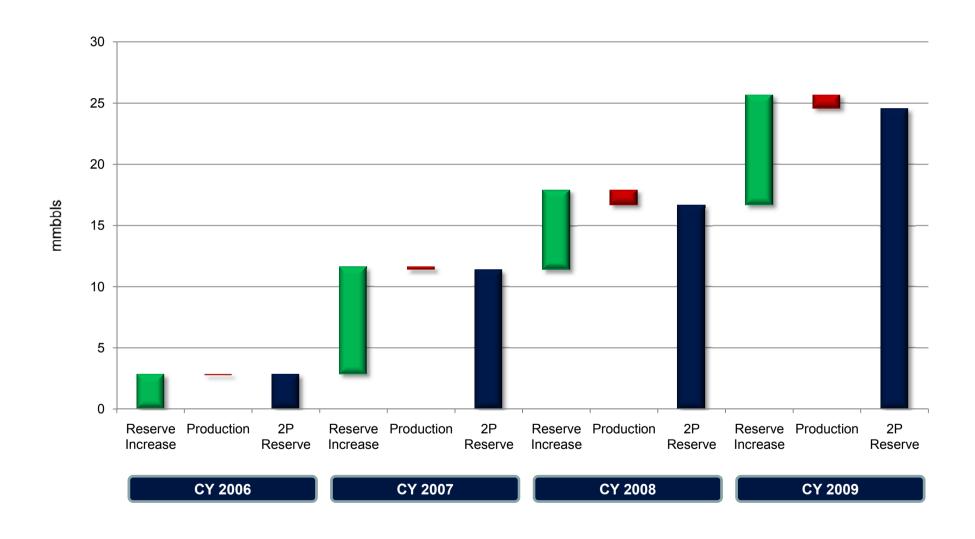
Earnings Analysis





Reserves (net to CVN)





Broker Reports





Broker Valuations



CVN share price currently in the range of \$0.35 to \$0.40



Consensus \$0.63

Exploration and appraisal assets value range \$0.11 to \$0.23

Consensus \$0.15

Production assets (reserves)
value range \$0.31 to \$0.54

Consensus \$0.45

Gaffney, Cline &
Associates valued CVN's
2P reserves at 31 Dec
2009 at \$0.48

Thai SRB Explained

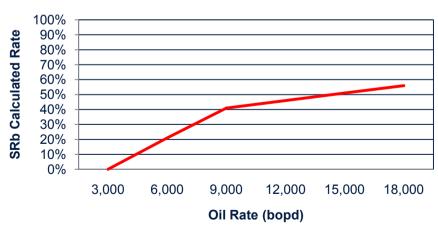


- Thailand III regime
- Designed to tax 'excessive profits'
- Applied to each concession area
- Paid annually
- Sliding scale from 0% to 75%
- Higher profit = higher SRB rate

Baht per metre (From)	Baht per metre (To)	Rate per baht metre	Effective S	SRB (to)
0	4,800	0	0	0
4,801	14,400	240	0	40%
14,401	33,600	960	40%	60%
>33,601		3840	60%	75%

Source: Hartley's, Department of Mineral Fuels, Thailand

SRB Rate



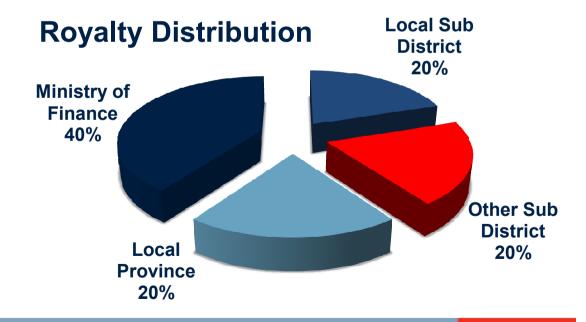
Thai Royalty Explained



- Thailand III regime
- Royalty is applied over each concession area
- Sliding scale from 5% to 15% based on production levels
- Paid on a monthly basis
- Deductible for SRB and corporate tax purposes

Barrels per Day (From)	Barrels per Day (To)	Tiered Royalty Rate	Effective Royalty Rate
0	2,000	0.0500	5
2,001	5,000	0.0625	5.0-5.8
5,001	10,000	0.1000	5.8-7.9
10,001	20,000	0.1250	7.9-10.2
>20,000		0.1500	10.2-15.0

Source: Hartleys, Department of Mineral Fuels, Thailand



Upcoming Activities





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2010 CY Work Programme



	Q1	Q2	Q3	Q4	Indicative 2011
Thailand L44 & L33 production		25 – 35 wells			
Thailand L44 & L33 exploration		(possible 3D seismic)			
Thailand L20/50 exploration				1 to 3 wells	Studies (possible 3D seismic follow up to wells)
Thailand L52/53 exploration					Geophysical data acq'n
Australia Phoenix exploration			~1,100km² of 3D & ~410km of 2D seismic acq'n		Farmout (possible well)
Indonesia Rangkas exploration			~500km of 2D seismic acq'n		Seismic Interpretation
New Zealand Tuatara exploration			Tuatara-1 well		Studies

Growth Plan



	Thailand	Australia	Indonesia	New Zealand	New Regions		
Exploration	Significant short term and medium term upside within the existing exploration asset portfolio						
Appraisal	Significant short term upside	 Direct oil & gas asset holding Onshore / shallow offshore Concentrating on Australasia/SE Asia 					
Production	Strong long life cash flows to support growth	 Compelling technical & economic fundamentals Experienced team, cash, cash flow and balance sheet 					





General Manager (Operations)



1322 Hay Street, West Perth Western Australia 6005

Telephone: +61 (8) 9321 2665 Fax: +61 (8) 9321 8867 Mobile: +61(0) 407 778 745 Email: phuizenga@cvn.com.au

www.carnarvon.com.au





1322 Hay Street, West Porth Western Australia 6005

Telephone: +61 (8) 9321 2665 Fax: +61 (8) 9321 8867 Mobile: +61(0) 438 912 476 Email: acook@cvn.com.au

www.carnarvon.com.au

TED JACOBSON Chief Executive Officer



1322 Hay Street, West Perth Western Australia 6005

Telephone: +61 (8) 9321 2665 Fax: +61 (8) 9321 8867 Email: tjacobson@ovn.com.au

www.carnarvon.com.au



Ground Floor 1322 Hay Street West Perth WA 6005

Telephone: +61 (8) 9321 2665

Fax: +61 (8) 9321 8867

www.carnarvon.com.au