

Cue Energy Resources Limited

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- TO : Company Announcements Office 10th Floor 20 Bond Street Sydney NSW 2000
- DATE : 20 March 2012

PAGES (including this page): 30

- FROM : Andrew Knox
- RE : Investor Presentation March 20 2012

Attached please find Cue Energy Resources Limited release with respect to the above mentioned.

Yours faithfully

Andrew M Knox Public Officer





# Investor Presentation March 20<sup>th</sup> 2012

#### **DISCLAIMER & IMPORTANT NOTICE**

Various statements in this document constitute statements relating to intentions, future acts and events. Such statements are generally classified as forward looking statements and involve known risks, expectations, uncertainties and other important factors that could cause those future acts, events and circumstances to differ from the way or manner in which they are expressly or impliedly portrayed herein.

Some of the more important of these risks, expectations and uncertainties are pricing and production levels from the properties in which the Company has interests, and the extent of the recoverable reserves at those properties. In addition, the Company has a number of exploration permits. Exploration for oil and gas is expensive, speculative and subject to a wide range of risks. Individual investors should consider these matters in light of their personal circumstances (including financial and taxation affairs) and seek professional advice from their accountant, lawyer or other professional adviser as to the suitability for them of an investment in the Company.



# **Cue Energy At A Glance ...**

#### <u>Board</u>

RICHARD TWEEDIE, LL.B Non-Executive Chairman

TIMOTHY DIBB, BSc, PhD Non-Executive Director

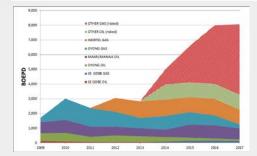
GEOFFRREY KING, BA, LLB Non-Executive Director, Lawyer

STEVEN KOROKNAY, B Eng Non-Executive Director

PAUL MOORE, BSc, Eng, MBA Non-Executive Director

LEON MUSCA, LL.B Non-Executive Director, Lawyer

ANDREW YOUNG BCheE, MBA Non-Executive Director



Australian Registered Company

Shareholders Listings

Ordinary Shares Top Twenty Shareholders Key Shareholders Todd Petroleum Singapore Petroleum Market Capitalisation @ A29c

YTD Trading Range Average Daily Volume Cash at 31/12/2011 Project Finance 31/12/2011 Employees Established 1981

5,210 ASX : Cue; NZX : Cue; POMSOX : Cue; ADR/OTCQX : CUEYY 695,153,053 433.5 Million (62.5%)

#### 27% 16.6% A\$201 Million

19.5 – 35.5c ~500,000 A\$ 50.7 Million US\$ 2.6 Million

8



<u>Cue Reserves</u>

- ~2.7MMbbls Oil
- ~118Bcf Gas

Cue Net Production Forecast CY 2012

- 350,000 barrels oil
- 4.0 billion cubic feet gas

# **Cue Key Management**



#### Mark Paton

#### **Chief Executive Officer**

Mark has over 30 years experience in the upstream gas and oil industry. His credentials include working in various positions for BP in Europe and the Middle East and BHP Petroleum in Australia. He left BHP in 1997 to co-found Upstream Petroleum, specialising in the operation of production facilities. In 2006 the company was sold to the AGR Group of Norway. Mark was Managing Director of AGR Asia Pacific based in Kuala Lumpur until 2009. He has since been consulting to the oil and gas industry until joining Cue Energy Resources as CEO in February 2011.



#### Andrew Knox Chief Financial Officer

Andrew holds a BCom degree from the University of Western Australia. He has over 26 years experience in resource companies, predominantly in oil and gas in Australia, North America and South-East Asia. Andrew joined Cue Energy in 1994 and is responsible for financial matters.



#### Terry White Exploration Manager

Terry holds a BSc (Hons) from the University of Tasmania majoring in Geology and Geophysics. He has over 31 years of experience in the oil and gas sector and has worked in technical, exploration management and executive roles in Esso, BHP Billiton and Santos. Terry joined Cue Energy in April 2009 and is responsible for exploration matters.

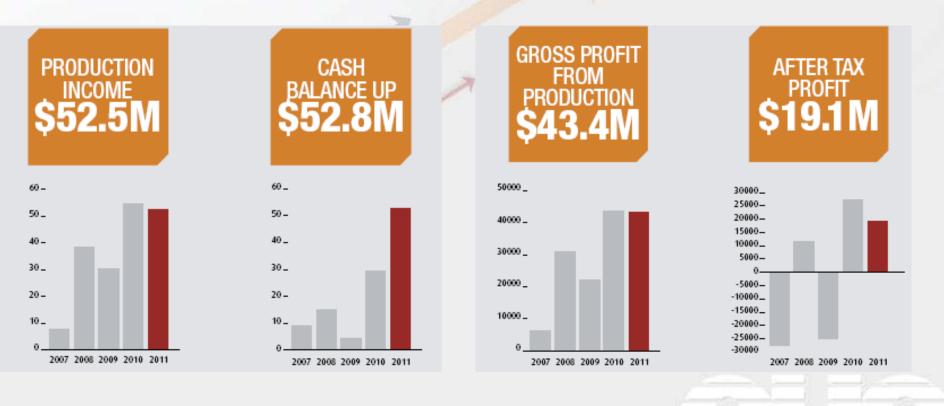


#### Alex Parks Chief Commercial Officer

Alex holds an MEng Degree in Petroleum Engineering from Imperial College, London. He has over 15 years experience in the oil and gas sector, the last seven years in executive management roles including CEO of Mosaic Oil, CEO of Otto Energy and Technical Director of RPS Energy. Alex joined Cue Energy in March 2011 and is responsible for business development matters.

# **2011 Financial Results**

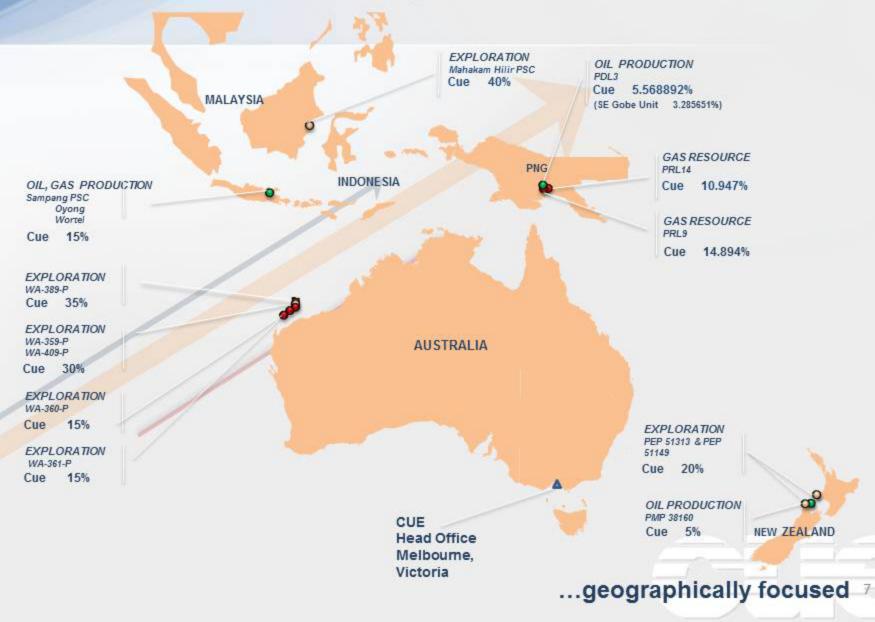
- Revenue steady with lower oil production offset by higher oil prices and gas production
- Gross profit steady but net profit after tax lower due to T37P/T38P exploration write off exchange rate losses and accounting treatment of oil hedging activities
- After tax earnings of 3 cents per share equating to 12.5% return on shareholder equity in FY2010/11



# **2012 YTD Results**

- First half oil and gas production lower due to natural decline in Maari production and shut in of Oyong facilities for tie in of Wortel project and drilling of Oyong 11 infill well.
- Further ESP failures experienced in the Maari field but overall trend is improving reliability.
- Reduced production offset to some extent by increased oil prices. Oil price realised exceeded \$100 per barrel for the first half of FY2012.
- After tax profit increased to \$3.9 million for the half year compared with \$1.3 million in the corresponding period in 2010. The increase was largely due to changes to the US dollar to Au Dollar exchange rate at the balance date.
- Gross profit from production down to \$12.1 million for the half year to 31<sup>st</sup> December 2011 from \$18.8 million for the corresponding period in 2010.
- Strong positive cash flows expected in second half 2012 through contribution of over 2500boepd (Cue share) from Oyong and Wortel.

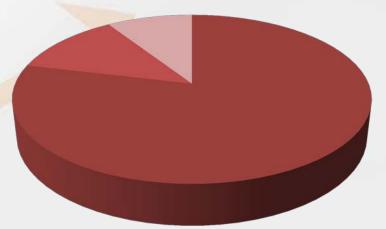
### **Asset Location Map**



### **Hydrocarbon Inventory**

### **Oil Reserves**

#### **Gas Reserves/ Resources**



### TOTAL Oil : 2.7 mmbbls

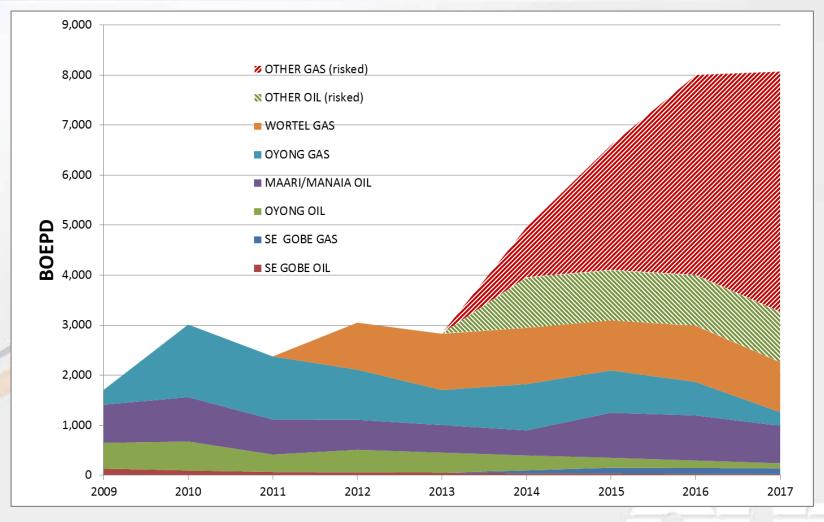
- 2.4 mmbbls (2P\*) Maari (NZ)
- 0.2 mmbbls (2P\*) Oyong (Indonesia)
- 0.1 mmbbls (2P) SE Gobe (PNG)

#### \*Cue estimate †Contingent resource Volumes remaining to be produced at 31/12/2011

#### TOTAL Gas : 118 BCF (20 mmbbls BOE)

91 BCF (2C<sup>†</sup>) Barikewa (PNG)
14 BCF (2P) Wortel (Indonesia
11 BCF (2P) Oyong (Indonesia)
2.5 BCF (2P) SE Gobe (PNG)

# Net 2P / 2C Indicative Production Forecast



... long term production with potential upside9

# from Good...

### **Current Status**

- \$201 million market capitalisation @ \$0.29/share
- In the range 15<sup>th</sup>-25<sup>th</sup> largest E&P companies on the ASX
- Clean balance sheet
- Australasia/Asia Pacific focus area
- Balanced portfolio of assets
- Affordable equity positions 5-20%
- Funded drilling via project farm down
- Non-Operator with quality JV operators (OMV, Oil Search, Woodside, Apache, Santos, SPC)
- Historically exploration led
- Non-Operator
- Conventional oil & gas focus
- Ongoing exploration program

**Consistently Out Perform** 

**Build Asset Portfolio** 

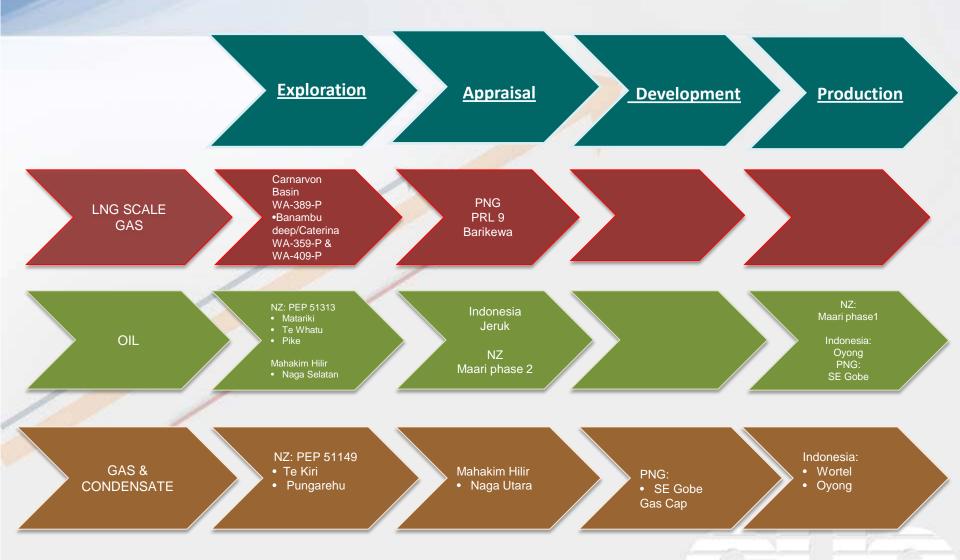
Build Momentum

### 3-5 Year Vision

- >\$1 billion market capitalisation
   @ over \$1 / share
- In the range 5<sup>th</sup>-10<sup>th</sup> largest E&P companies on the ASX
- Robust balance sheet
- Australasia/Asia Pacific focus area
- Greater diversity of cash flow streams but maintain balanced portfolio approach
- Fund drilling via cash flow and farm down to maintain 20-50% project equity positions
- Maintain focus on quality JV partners
- Production and profit driven
- Operator of oil and gas E&P assets
- Conventional oil and gas focus
- Monetising any exploration success

. to Great!

### A balanced portfolio of existing assets



... aiming to add projects across the spectrum

# PROJECTS



# **Papua New Guinea**

#### Production

- South East Gobe Field
- Cue has ~3.3% unitised interest
- ~ 70bopd to Cue
- Long term oil production
- SE Gobe Gas to be sold into PNG LNG from mid 2014 at 35 MMscfd gross

#### **Exploration & Appraisal**

• Potential to supply PNG LNG

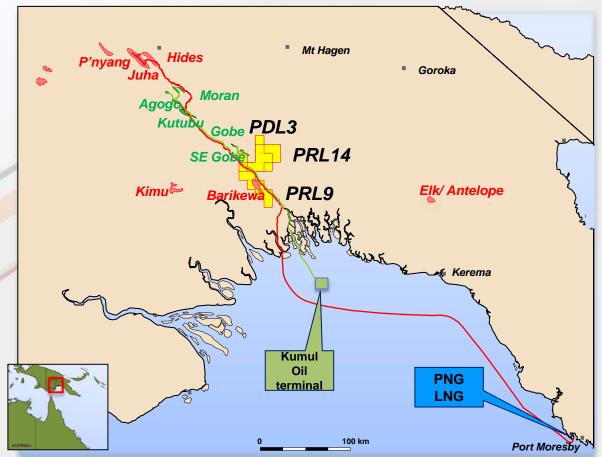
Barikewa Field (PRL9) (Cue 14.89%) is a potentially large undeveloped resource. Appraisal well planned in 4Q 2012

- Toro and Hedinia (2P equiv) 611 BCF
- Mean (all zones)
  P10 (all zones)

1.5 TCF 2.4 TCF

Bilip, lehi,Cobra (PRL14) (Cue 10.947%) undeveloped discoveries

Long term gas for PNG LNG with some associated oil



... long term cash flow and resources adjacent to PNG LNG infrastructure

### Indonesia

#### Kutei Basin *Mahakam Hilir PSC (Cue 40%)*

- Farmin to Mahakam Hilir PSC. Singapore Petroleum operator.
- Kutei Basin is a prolific basin.
- Naga Utara drilled January to March 2012. Discovered hydrocarbon bearing sands. Discovery to be evaluated with drill stem testing in the near term and possible appraisal wells in longer term.
- Naga Seletan to be spudded after Naga Utara
- Prospects are along trend of producing oil and gas fields.

#### East Java Basin Sampang PSC (Cue 15%)

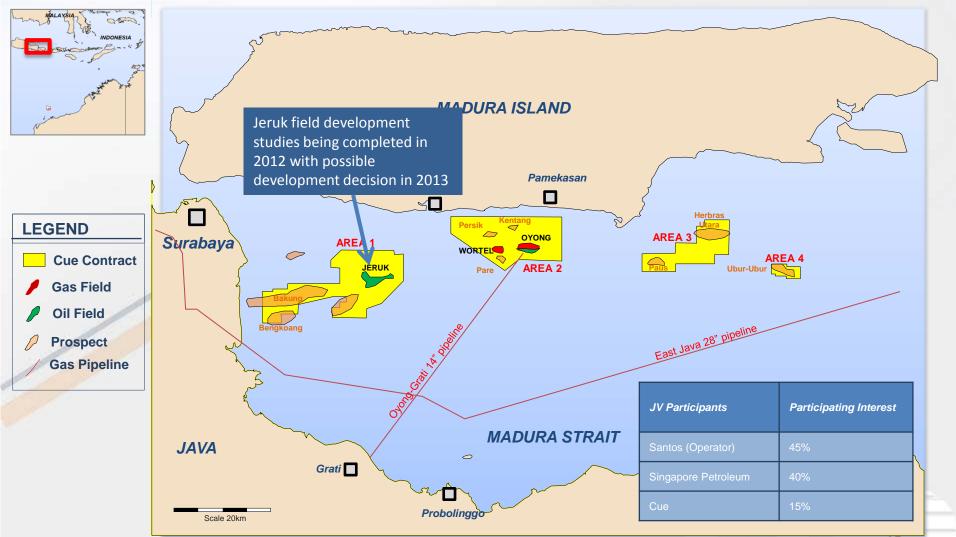
- Existing production Oyong Oil and Gas.
- Wortel Gas Production commenced 31<sup>st</sup> Januaray 2012.
- Further evaluation of Jeruk field ongoing with possible development decision in 2012



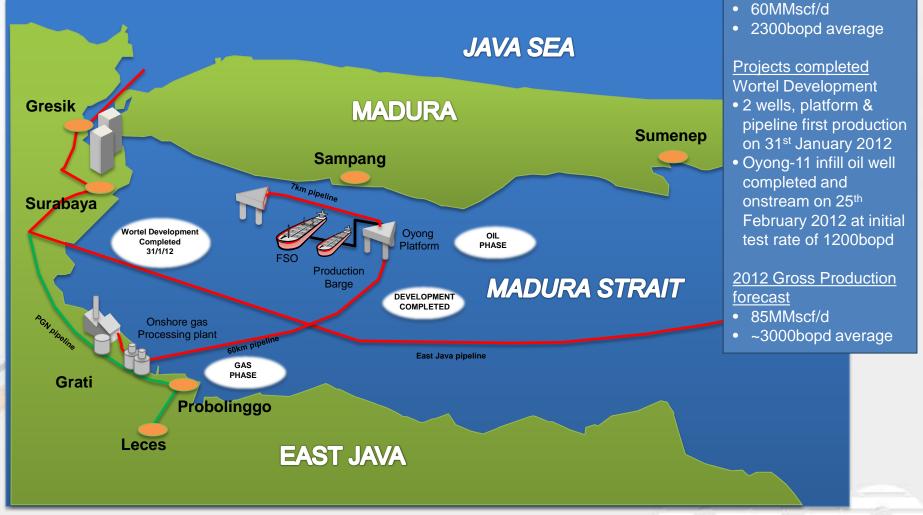
East Java Basin

A rest

# Sampang PSC – Indonesia



## **Oyong + Wortel Development**



...three stage development

2011 Gross Production

# Mahakam Hilir - Kutei Basin

#### **KEY BASIN STATISTICS**

Oil 3.755billion Recoverable bbls Gas Recoverable 67TCF Condensate

Recoverable

991MMbbls

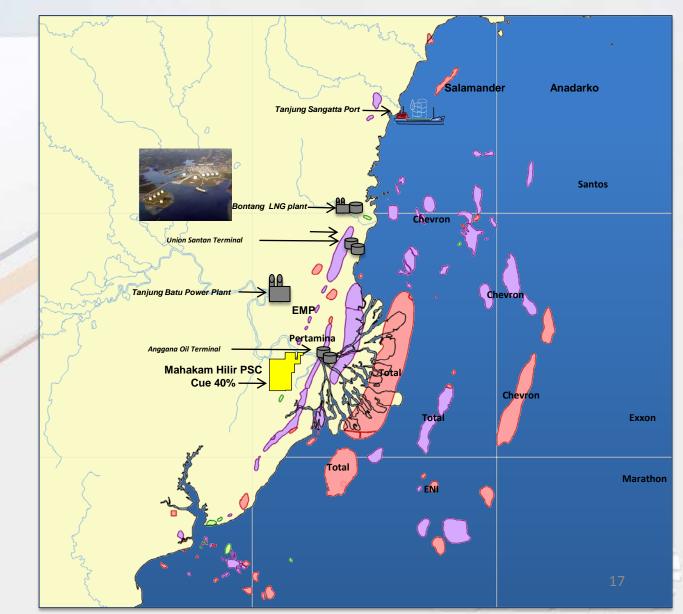
Multinational and Independent companies having assets in the basin – Exxon, Anadarko, Marathon, Chevron, ENI, Total, Santos

#### COMMERCIALISATION

Multiple oil terminals / processing plants & a Power station

Bontang LNG plant

- Capacity 20 mtpa
- Gas supply issues
- Currently ~ 10mtpa
- Japanese Buyers



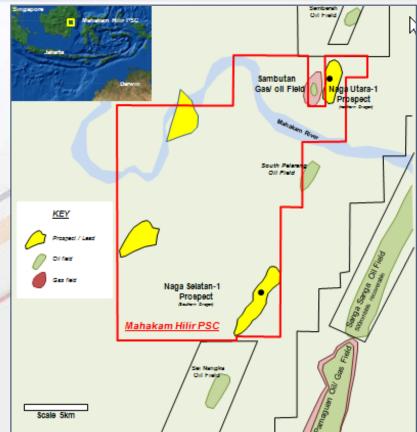
# Mahakam Hilir PSC

#### **KEY STATISTICS**

- 200 km of new seismic acquired by SPC
- Historic seismic reprocessed
- 2 prospects high-graded and being drilled

#### **Exploration Drilling**

- Drilled Naga Utara January to March and intersected hydrocarbon bearing sandstones.
- Naga Selatan to be drilled immediately after Naga Utara. 20 million barrel oil prospect, deep horizons high graded due to drilling Naga Utara.



#### **Oil and Gas Seeps**







JV Participants	Participating Interest
Singapore Petroleum (Operator)	60%
Cue	40%

### ...near term oil and gas exploration

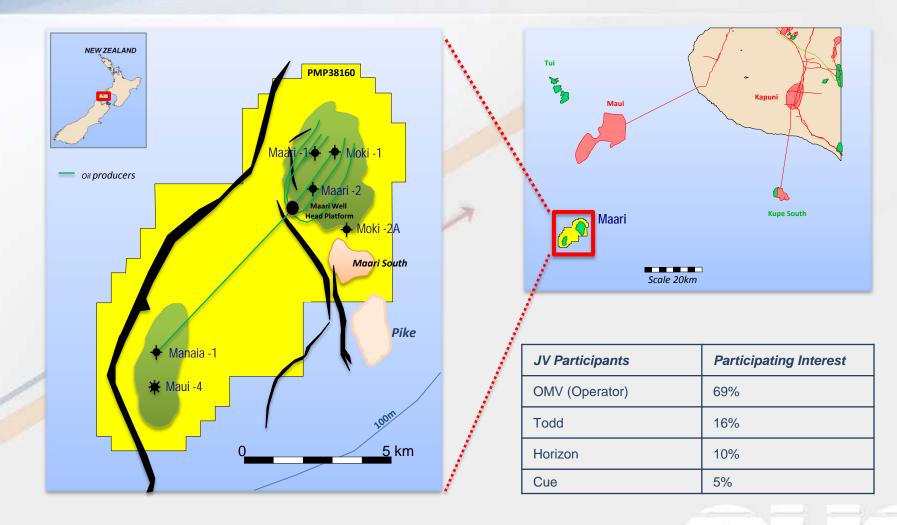
# **Mahakam Hilir Drilling Update**

#### Well Results to Date

- Naga Utara -1 encountered hydrocarbon bearing sandstones
- Three zones in 8.5 inch hole evaluated with electric wire-line logs
- Two overpressured hydrocarbon zones in 6 inch hole evaluated with wireline logs
- Production testing ongoing at present
- TD of well is 5066 feet



### New Zealand Maari Oil Field

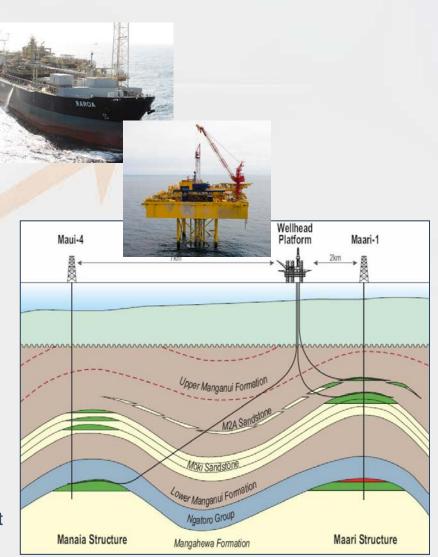


...long term oil production

## **Maari Development**

#### Phase 1

- Platform, FPSO, 7 oil wells, 3 water injectors
- First oil 1Q 2009, 15.5 million barrels produced
- Current rate ~ 14,000 bopd with all wells producing. Cue share ~ 700 bopd
- Moki 2P oil EUR ~ 52 million barrels Cue share ~ 2.6 million barrels
- M2A 2P initial EUR ~ 3.2 million bbls
- Manaia 2P initial EUR 6.3 million bbls
- Maari Moki sands secondary recovery via waterflood has been a limited success. Recent additional perforations in the cycle 1 sand of Maari 7 and 8 may have improved waterflood sweep.
- Electrical submersible pumps have been unrelaible but have been redesigned and reliability is improving.



Source: Horizon

### ...phase 1 completed phase 2 planned

### **Maari Phase 2 Appraisal and Development**

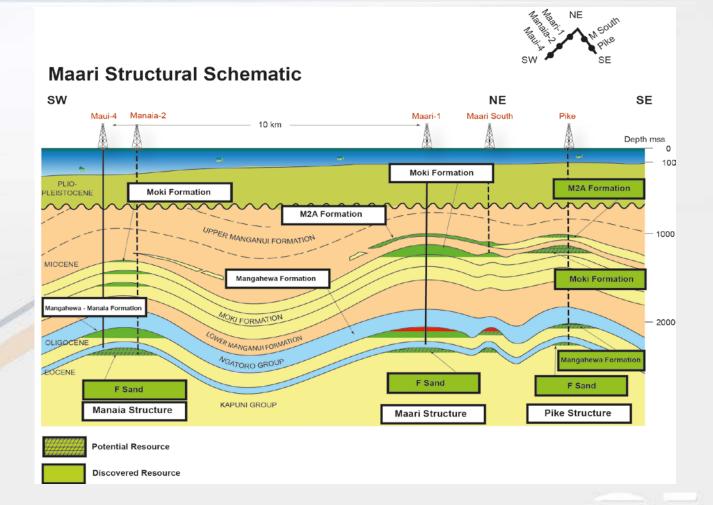
#### **Objectives**

- Develop the proven Mangahewa reserves in the Maari structure
- Appraise and develop the Moki, M2A and Mangahewa reserves in Maari South. Maari South appraisal well approved by the JV for drilling in 4Q2012 or 1Q 2013.
- Appraise the Manaia Moki sands and the F- Sands in the Manaia structure. Determine the depletion of Mangahewa cycle 1 and cycle 2 sands from the existing Manaia-1 well. Identify the requirement for water injection wells in the Manaia field. A Manaia appraisal well is approved by the JV for drilling in 4Q2012 or 1Q2013
- Contingent additional appraisal well in the main Maari structure to gather data for improved waterflood and investigate the potential of the F- sands in the Maari structure
- Post further appraisal, drill and complete additional producers and water injectors and install additional wellhead platform and facilities to tie the wells into the existing FPSO if required.

Area upside + 20 - 90 MMbbls Gross\* \* Cue estimate

... substantial upside oil potential,

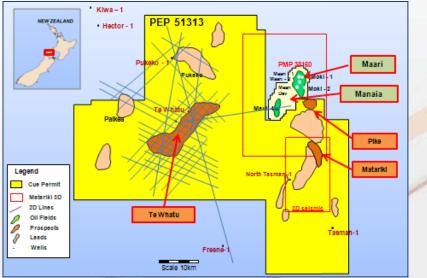
### **Maari Phase 2 Appraisal and Development**



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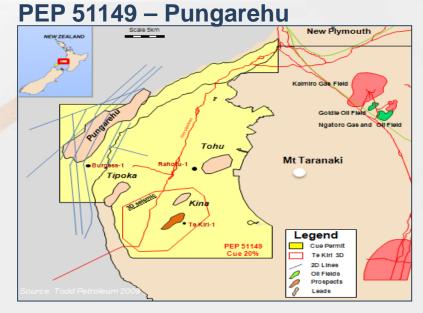
# **New Zealand Exploration**

#### **PEP 51313 - Pike**



JV Participants	Participating Interest						
Todd Exploration (Operator)	50%						
Horizon Oil (New Zealand) Ltd	30%						
Cue Taranaki Pty Limited	20%						

- Te Whatu 2D acquisition & Matariki 3D processing completed Q2 2011
- Discussions ongoing with Maari JV with regards to access to Maari facilities for Pike produced fluids
- New 3D survey over Pike and Maari imminent
- Possible Pike exploration well in Q4 2012 or Q1 2013

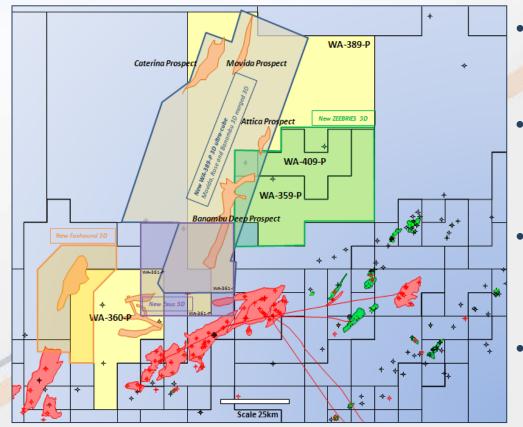


JV Participants	Participating Interest					
Todd Exploration (Operator)	61.425%					
Cue Taranaki Pty Limited	20%					
Mosaic Oil Limited (AGL)	18.575%					

• Pungarehu 2D Seismic acquisition completed Q2 2011

...possible Pike exploration well in Q4 2012

## Australia Carnarvon Basin Permits



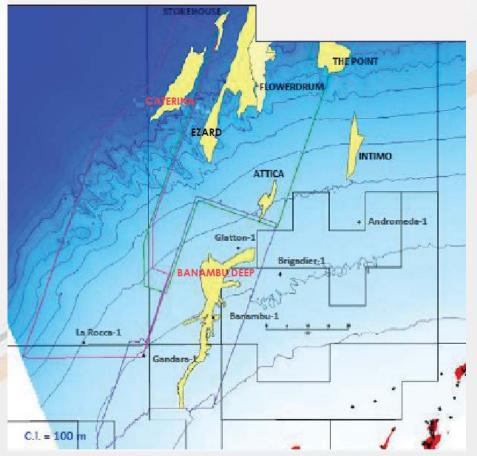
- 5 permits on trend with major discoveries and new developments
- Significant existing and planned LNG processing capacity in the region

• WA-389-P - Woodside

- Movida 3D seismic completed in 1Q, 2011
- Drilling one well in 2Q, 2012
- Cue 35% free carry
- WA-359-P, WA-409-P Apache
  - 3D seismic completed
  - Cue 30% seismic free carry,15% well free carry if Apache exercise drill option
- WA-360-P, WA-361-P
  - New Foxhound 3D seismic
  - New Zeus 3 D seismic
  - JV investigating other prospects in the block

#### ...large gas potential adjacent to LNG developments,

### WA-389-P

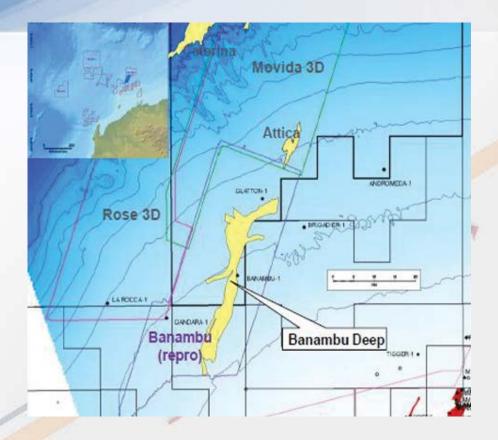


#### Following farmout to Woodside in 2010

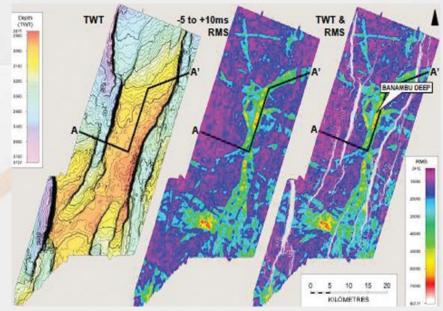
- New Movida 3D seismic and existing 3D seismic reprocessing completed
- 8 prospects and leads
- Cue retains 35% carried interest
- Planning to drill Banambu Deep prospect in 2Q 2012

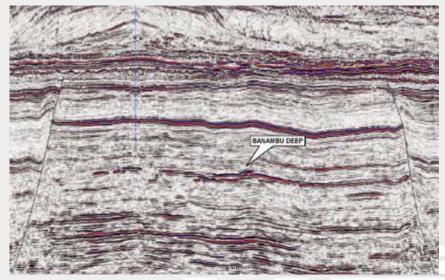
...potential to supply an LNG development,

# **Banambu Deep**



Banambu Deep Prospect	
Water Depth	320m
Proposed Total Depth	4780m
Gas	Potential volumes of up to 1.5 TCF





# **Activity Timing**

	2011	2012				2013				2014			
	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
EXPLORATION SEISMIC													
NZ (3D Pike & Maari / Manaia)						1							
FIRM DRILLING													
Mahakam Hilir PSC Naga Selatan						1	10						
Mahakam Hilir PSC Naga Utara				A	100								
Sampang PSC Wortel Development (2)			1	1. 1									
Sampang PSC Oyong Development (1)			1	100									
WA-389-P Banambu Deep -1					1								
CONTINGENT DRILLING													
WA-359-409		1											
Mahakam Hilir PSC Naga Utara appraisal	1		/										
Barikewa - 3	1	1											
Maari / Manaia Appraisal		1											
Maari / Manaia Development wells	1												
PEP 51313 (Pike/Matariki)													
PEP 51149 Pungarehu													
PRODUCTION													
SE GOBE Oil/Gas Production													
MAARI Oil/Gas Production													
OYONG Oil/Gas Production													
WORTEL Gas Production													

### Why Invest in Cue?

### **Strong Fundamentals**

- Experienced & energetic board and management
- Existing oil and gas production and cash flow with a low decline rate, providing a stable platform for company building
- Clean balance sheet, no net debt
- Aggressively screening new venture opportunities
- Encouraging results at Naga Utara drilling high grades other prospects in the Mahakam Hilir permit

### **Near-term Activity**

- Naga Selatan oil exploration drilling March/April 2012
- Possible Naga Utara appraisal drilling 3Q 2012
- WA389-P high potential gas exploration drilling mid 2012

### ....Good to Great!