

Blue Energy Limited









Southern Georgina Basin Acreage Update

2 October 2012



Disclaimer

Disclaimer

This presentation may contain forward looking statements that are subject to risk factors associated with the gas and energy industry. It is believed that the expectations reflected in the statements contained within are reasonable, but they may be affected by a range of variables which could cause actual results or trends to differ materially, including but not limited to price and currency fluctuations, geotechnical factors, drilling and production results, development progress, operating results, reserve estimates, legislative, fiscal and regulatory developments, economic and financial markets conditions in various countries, approvals and cost estimates.

Competent Person Statement

The estimates of 3P reserves and contingent resources for ATP814P and ATP813P have been provided by Mr John Hattner of Netherland, Sewell and Associates Inc. Mr Hattner is a full time employee of NSAI, has over 30 years of industry experience and 20 years' experience in reserve estimation, is a licensed geologist, and has consented to the use of the information presented herein. The estimates in the report by Mr Hattner have been prepared in accordance with the definitions and guidelines set forth in the 2007 Petroleum and Resource Management System (PRMS) approved by the Society of Petroleum Engineers (SPE).



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UPDATE ON NEW ACREAGE



ATP 1114A; 1117A; 1123A Blue Energy 100% (Preferred Tenderer)



Blue Energy Asset Portfolio

Largest acreage holder of non LNG explorers in Qld

Acreage in producing basins:

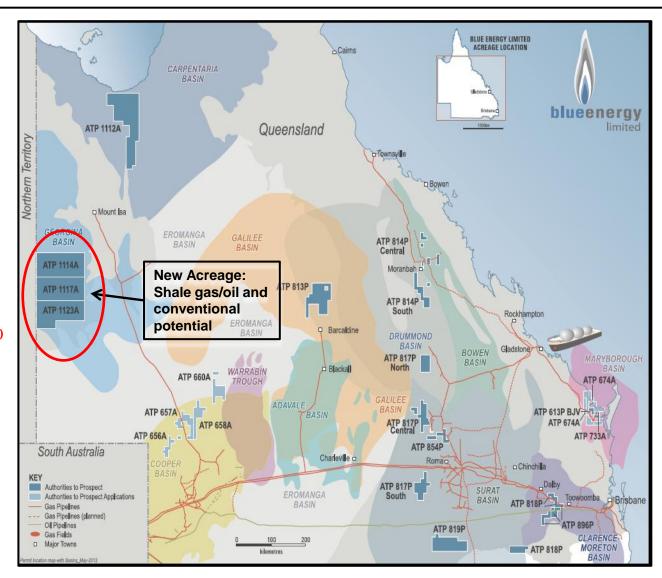
Cooper: 5,200 km²
Bowen: 7,332 km²
Surat: 5,796 km²

Acreage in frontier basins:

Georgina: 21,300 km² (5.3 million Ac)

Carpentaria: 8,161 km²
Maryborough: 2,448 km²
Galilee: 4,124 km²

Total Acreage 54,361km² (13,433,000 Acres)





Southern Georgina Basin Acreage

Large position – 21,300km² (5.3 million net acres)

Blue Energy is preferred tenderer

Blue Energy is Operator and is 100% equity holder

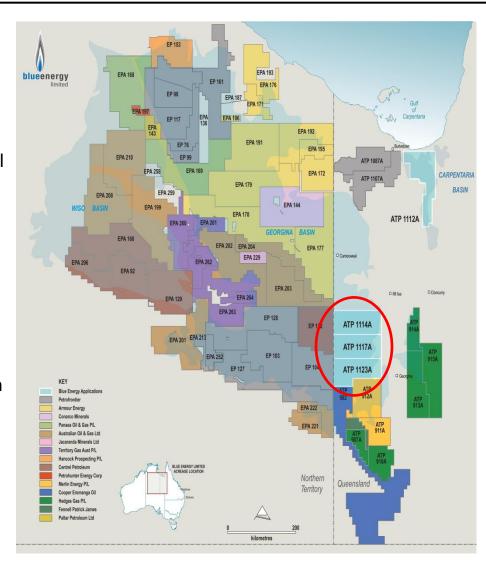
Blocks require Native Title Agreements and Environmental Authorities before State will award permits.

Untested oil and gas potential - conventional and nonconventional

Adjacent to active exploration program by Petrofrontier/Statoil

Large liquid potential – Ryder Scott report for AEC estimates up to 39 billion barrel oil potential (unrisked high side prospective resource – recoverable) in adjacent permits (EP103, 104, 127 & 128)

Central Petroleum nominate potential 8 billion BOE Recoverable Resource in their Georgina acreage (EPA 132; ATP 909A; 911A & 912A)





Southern Georgina Basin - Activity

Northern Territory portion of the Basin more advanced due to earlier award

Petrofrontier seismic acquisition yielded drillable prospects –

Owen 3/3H

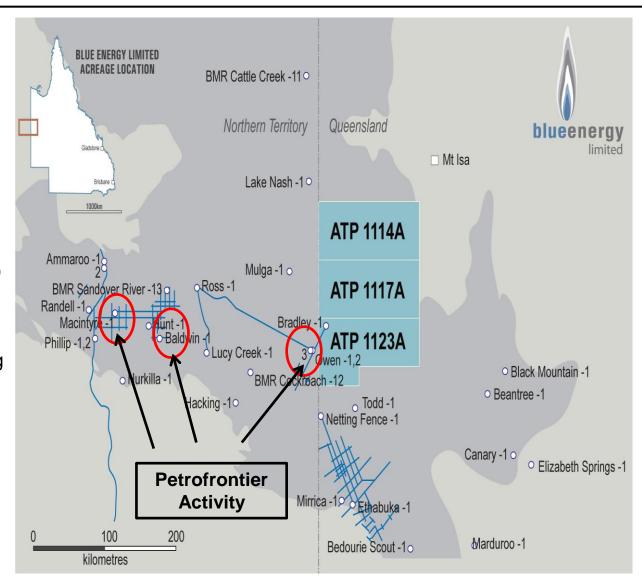
Baldwin 2H

McIntyre 2H

Statoil farmed into Petrofrontier acreage for \$210 million (approx. value \$16/acre)

Owen 3/3H well

- Drilled by Petrofrontier in 2012 as a horizontal well for production testing
- Located 7km from Blue's permit boundary
- Intersected oil shows in Thorntonia Limestone and Lower Arthur Creek
- Well is awaiting multistage fracture stimulation and testing





Southern Georgina Basin Stratigraphy

Old rocks - Cambrian-Ordovician in geological age

Both clastic and carbonate reservoir rocks

Marine source rocks – pre-dating land plants

Source material – algae and bacteria

Demonstrated petroleum system – oil and gas shows in multiple wells

Targets

Arthur Creek Shale 0.5-10% TOC (rarely 16%)
World class source potential
Regionally extensive
Thorntonia Limestone – Platform Carbonate
Steamboat Sandstone – inner shelf channel sands

Relatively shallow target depths - <1,500m

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MIDDLE CAMBRIAN		STEANBOAT 331.		_
	ARTHUR CREEK FM.	ARTHUR CREEK FM.		
	"HOT SHALE"	"HOT SHALE"		•
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	THORNTONIA LSST.	THORNTONIA LSST.		•
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	MOUNT BALDWIN FM.	ADAM SHALE		
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	07110711071107	PETERMANN	
NEOPROTEROZOIC	MOPUNGA GP	MOPUNGA GP	OROGENY	

Ambrose et al 2012



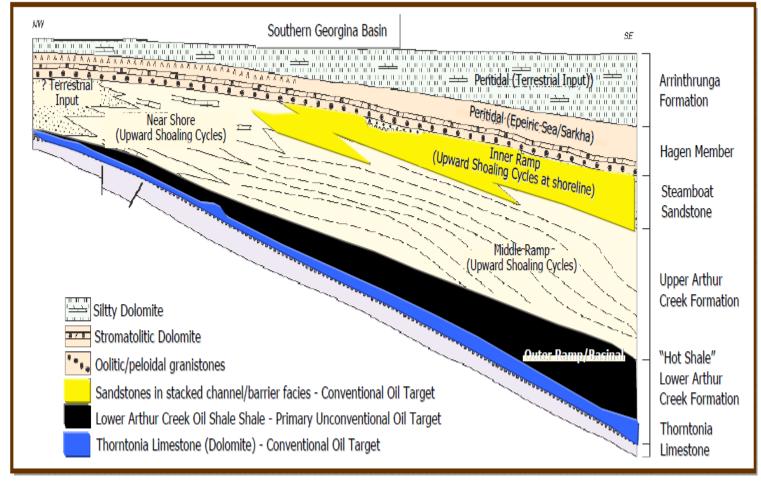
### Southern Georgina Basin - Depositional Settings

Marine shelfal to outer ramp setting

Carbonate rich environment

Rich algal/bacterial source rocks

Conventional and unconventional traps - potential reefal build ups and clastic structural closures



Source: JN Dunster, PD Kruse, ML Duffett1 and GJ Ambrose - Geology and resource potential of the southern Georgina Basin



### Southern Georgina Hydrocarbon Potential

Lower Arthur Creek
Source has generated
significant volumes of
hydrocarbons

Toko Syncline – in gas preservation window

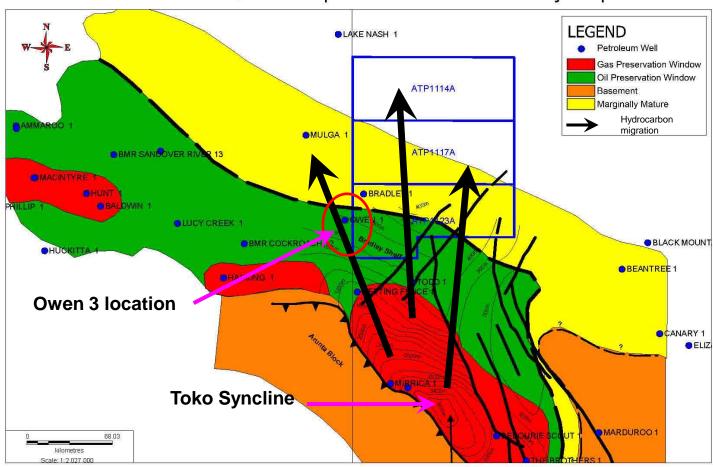
Area has expelled early liquids – oil shows in nearby wells

Migration pathways lead through Blue's acreage

Blue's acreage in the oil window to marginally mature

Blocks have unassessed conventional and unconventional potential.

#### Lower Arthur Creek Depth and Thermal Maturity Map



After Ambrose et al July 2012



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# Southern Georgina Basin Strategy

- Effect grant of permits through Native Title Agreement execution and environmental approvals
- Conduct geological and geophysical studies and data trades (where possible)
- Identify play types and play fairways
- Acquire 2D seismic data to identify regional structural trends, stratigraphic continuity and conventional trap potential. Follow up with detailing seismic as required. Leverage cooperation with other Operators to minimise cost (mob/demob)
- Develop seriatim of leads/prospects
- Target liquids rich plays/prospects which will enable near term cash flow
- Drill most prospective targets



# **Southern Georgina Basin Summary**

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- Large acreage position (21,300km² 5.26 million net acres)
- Blue Energy is preferred tenderer, has 100% equity and is Operator
- Under-explored basin
- Basin has a demonstrated petroleum system oil shows in multiple wells (gas flows in Toko Syncline)
- Exploration activity ramping up in the Northern Territory portion of the Southern Georgina Basin – Owen 3 results imminent
- Adjacent Operator utilising North American unconventional shale technology
  - multistage hydraulic stimulation in horizontal wells







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