

Melbana Energy (MAY) is an Australian ASX listed, independent oil and gas company with a portfolio of high impact exploration, appraisal and development stage opportunities in Cuba and Australia.

- Cuba – high impact opportunities**
  - Block 9 – Melbana 100% with ~15.7 billion barrels potential oil-in-place and early mover advantage. Multiple leads identified. Drilling being planned.
  - Santa Cruz oil field IOR – Contract finalised with CubaPetroleo and submitted for final regulatory approval
- Australia** - Beehive prospect (WA-488-P) potentially the largest undrilled oil prospect offshore Australia. Total and Santos fully funded a 3D seismic survey in 2018 with option to 100% fund Beehive-1 well for 80% interest
- Australia** – Tassie Shoal Projects – Lowest cost Methanol and LNG infrastructure projects with environmental approvals in place ready to commercialise stranded gas offshore northern Australia

## Cuba – Background

- Southern Gulf of Mexico, one of the world’s great under-explored petroleum mega provinces
- Due to US embargo, Cuba has been lightly explored with limited use of modern day exploration technologies
- Recent changes to encourage foreign investment, including reduced tax rates and tax holidays
- Early mover advantage as Melbana is one of the few foreign companies with a significant established footprint in Cuba

## Company Data A\$

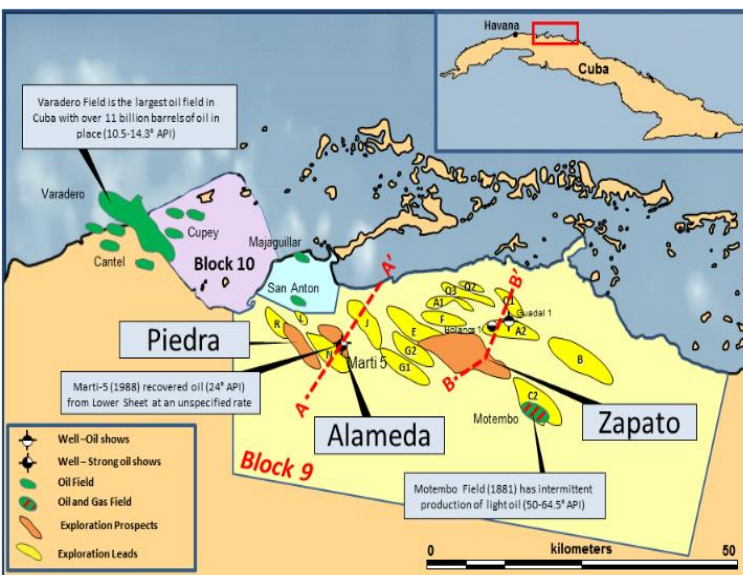
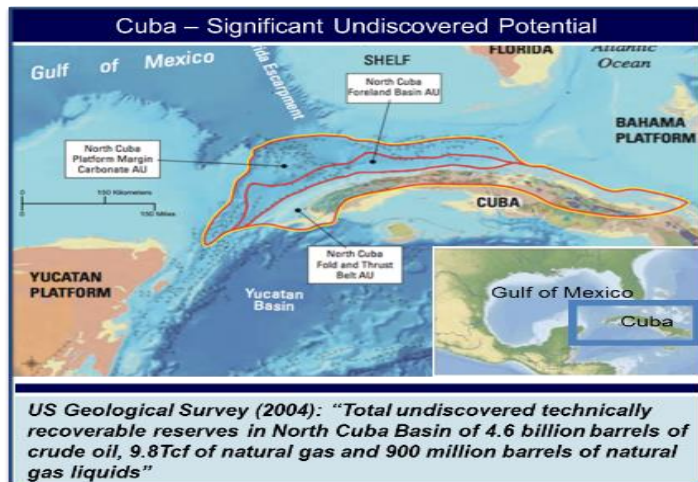
Australian Stock Exchange Code	MAY
Shares on Issue	~1.87m
Options	~178m
Share Performance Rights	~6.7m
Market Capitalisation (16 November 18)	~\$30m
Cash (30 September 18)	~\$8.4m
Debt (30 September 18)	~\$3.1m
Enterprise Value	~\$25m

## Shareholders

Cadence Asset Management	7.2%
Board & Management	~5%
Top 20 Shareholders	26%

## Board of Directors

Chief Executive Officer	Robert Zammit
Non-Executive Chairman	Andrew Purcell
Non-Executive Director	Michael Sandy
Non-Executive Director	Peter Stickland



## Cuba – Block 9 Prospectivity, (Melbana 100%)

- 100% unencumbered interest in Block 9 PSC, 2,380km<sup>2</sup> onshore Cuba awarded in September 2015 with a 25 year term
- Contains a proven hydrocarbon system, with multiple discoveries within close proximity, including the 11 billion barrel oil-in-place Varadero oilfield
- 19 individual leads identified in conventional plays
- Independent Expert McDaniel & Associates assess Block 9 prospectivity as 15.7 billion barrels of Oil-in-Place and 718 million barrels of recoverable prospective resource (best estimate)<sup>1</sup>**
- Non-binding LOI signed for farmout

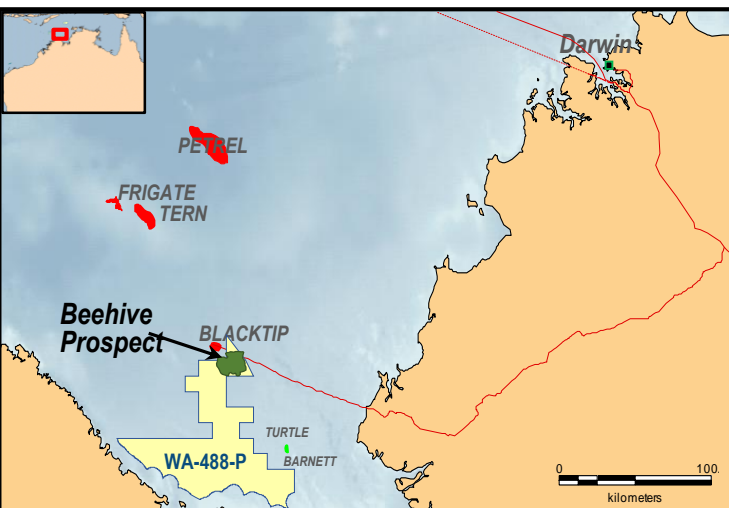
## Cuba Block 9 – Investment case

- Exploration potential of over 15.7 billion barrels of oil-in-place and Prospective Resources of 718 million barrels (Best Estimate)
- Oil discovered on block
- Non-binding farmout LOI with Anhui Guangda Mining Investment Co for carry for minimum 3 exploration wells and all appraisal, development, facilities and PSC costs with Melbana earning 12.5% of profit oil

Block 9 Exploration Potential	Low	Best	High	Mean
	MMstb	MMstb	MMstb	MMstb
Oil-in-Place	8,185	15,763	30,250	17,825
Prospective Resources <sup>1,2</sup> (recoverable)	305	718	1,553	848

## Cuba - Santa Cruz Oil Field IOR

- Contract for Incremental oil recovery (IOR) project
- Santa Cruz 2003 Seismic Survey defined as a 20km<sup>2</sup> structure, first well in 2004 successful
- Early estimates of up to 100Million barrels of oil, with only a small portion produced from 18 wells



## Australia – Beehive Prospect

- One of the largest undrilled hydrocarbon prospects in Australia
- **Independent Expert McDaniel & Associates Report estimates Prospective Resources to range from 91 (low) to 1.6 billion (high) barrels of oil equivalent with 20% Chance of Success (best estimate)**
- Shallow water, suitable for lower cost jack-up drilling rig
- Target Depth 4,000 to 4,500 meters developable by FPSO or pipeline
- Total and Santos fully funded a 3D seismic survey in 2018
- Melbana retain 20% and fully carried through first well drilled in WA-488-P if Total and/or Santos exercise farm-in option



Beehive Exploration Potential	Low	Best	High	Mean
COS – 20%	MMstb	MMstb	MMstb	MMstb
Prospective Resources <sup>1,2</sup> (recoverable, 100%)	91	388	1,645	704

**Multiple potential near term catalysts may result in a significant re rating for Melbana**

<sup>1</sup> per Independent Expert McDaniel & Associates (Canada) Report

<sup>2</sup> **Prospective Resources Cautionary Statement** - The estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Future exploration appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons.

Level 15, 500 Collins Street, Melbourne, Victoria, AUSTRALIA 3000  
 Contact: Robert Zammit CEO, Tel: +61 3 8625 6022, Email: [robert.zammit@melbana.com](mailto:robert.zammit@melbana.com)