

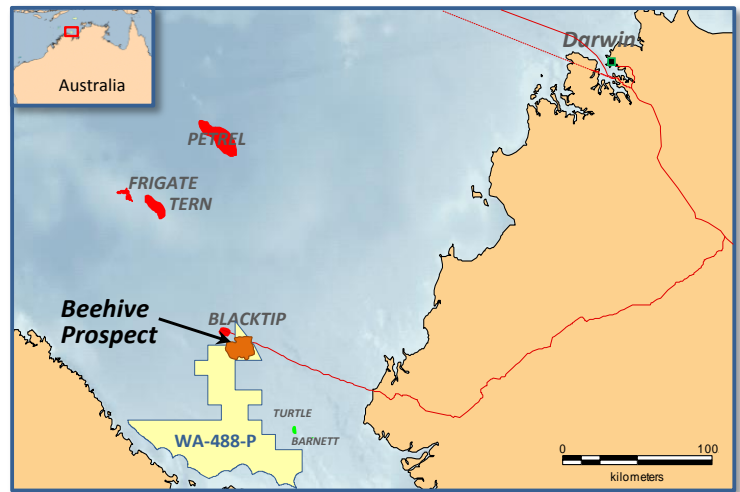
Summary

Beehive – potentially giant oil prospect in 40m water depth

WA-488-P is located in the Petrel Sub-basin between the producing Blacktip gas field and the undeveloped Turtle and Barnett oil discoveries and has an area of 4,074 km².

10 – 80% equity available

Melbana has identified the potentially giant Beehive prospect, located in 40m water depth and defined by a tight grid of high quality 2D seismic data, as one of the largest hydrocarbon prospects remaining in Australia.



Prospective Resource of up to 2 billion barrels of oil

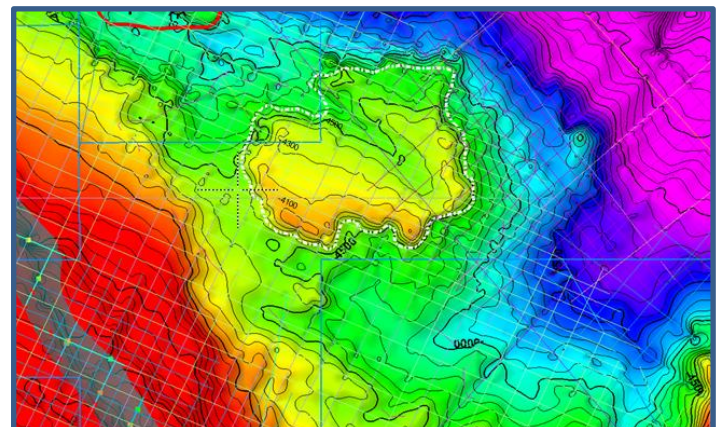
Prospective Resources – Recoverable

Beehive Prospect*	COS	Low	Best	Mean	High
Carboniferous objective (MMboe)	16%	97	558	940	2,033

Beehive is a 180km² isolated carbonate build up of Carboniferous age with 400m of mapped vertical relief and a crest at 4,100m.

Carboniferous carbonate build up

The Carboniferous carbonate objective has been penetrated previously in the area only attached shelf/basin margin settings.

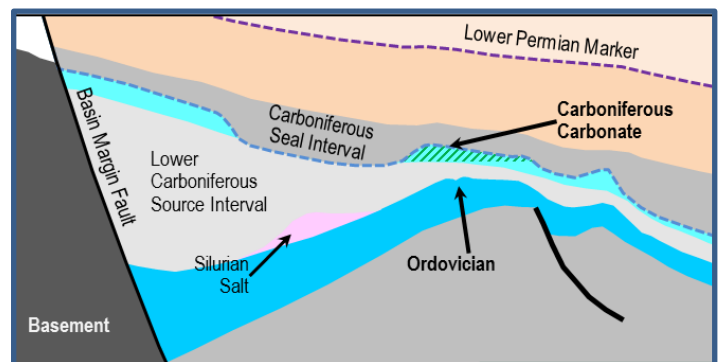


Beehive Prospect: Top Carboniferous objective

400m vertical relief

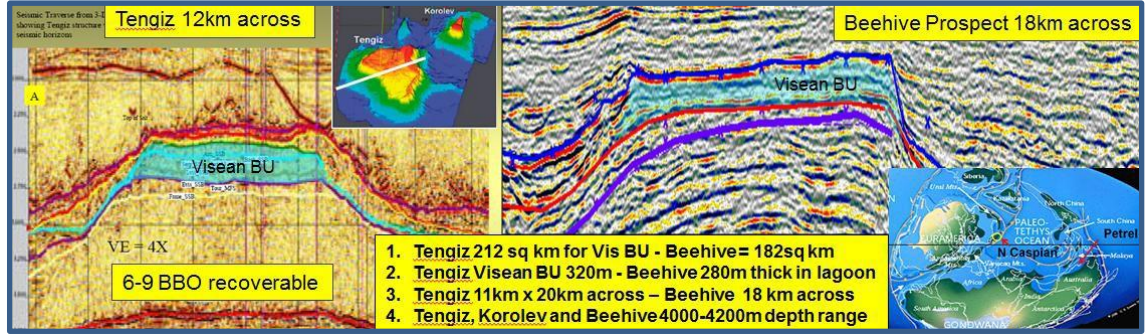
Beehive is analogous to the giant Tengiz field in the Caspian basin, which is also a Carboniferous

isolated carbonate build up. The carbonate reservoir is also interpreted to be the same age as the 2011 Ungani-1 oil discovery in the Canning basin, which tested at 1,600 bopd demonstrating a high quality reservoir. Beehive is a much larger build up than Ungani and has excellent access to the Lower Carboniferous source rock in adjacent depocentres. This play setting is undrilled in the Petrel Basin.



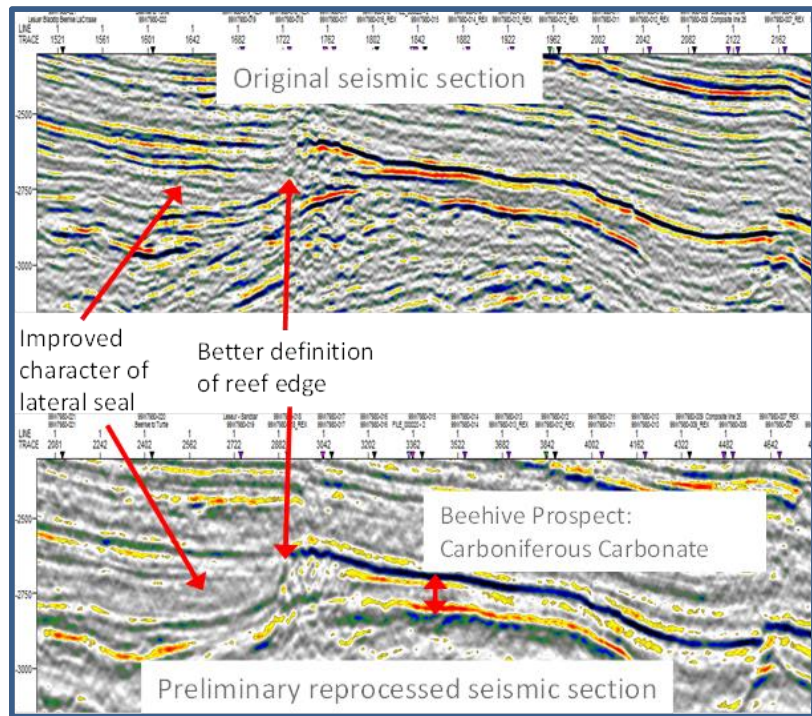
*The estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons. COS – Geological Chance of Success. MMboe – Conversion factor 6000scf/boe.

Tengiz analog



Melbana has recently undertaken a reprocessing and inversion study of selected seismic lines across the Beehive Prospect with very encouraging results. The seismic inversion results combined with the results of the reprocessing have enhanced the understanding of the Beehive reservoir and seal units.

Recent reprocessing and inversion has enhanced assessment of Beehive



The Beehive prospect could be drilled based on the current high quality 2D seismic, but may be further de-risked with further 2D reprocessing and/or a 3D Seismic Survey.

Permit Work Obligations

Permit Year	End Date	Minimum Work Requirements	Estimated Expenditure (indicative only)
2	21 Mar 2018	Geological and Geophysical Studies Survey Data Proprietary Processing 150km 2D Broadband Reprocessing and Seismic Inversion 330km 2D Broadband Seismic Reprocessing, Seismic Stratigraphic Interpretation and Analogue Field Study	A\$200,000 A\$300,000 A\$150,000 A\$250,000
3	21 Mar 2019	One Exploration Well	A\$20,000,000
4	21 Mar 2020	400km ² New 3D Seismic Survey	A\$5,000,000
5	21 Mar 2021	Geological and Geophysical Studies	A\$200,000
6	21 Mar 2022	One Exploration Well	A\$20,000,000

Contact: Robert Zammit, Executive Manager, Commercial & Business Development
Melbana Energy Limited
 Email: robert.zammit@melbana.com +61 3 8625 6022 www.melbana.com