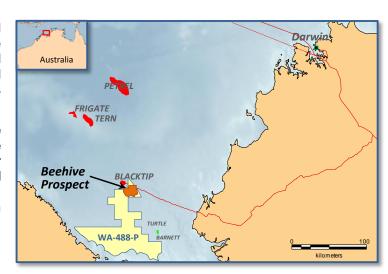
Australia - Bonaparte Gulf: WA-488-P



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.

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.



French major
Total and
Santos are
fully funding a
3D seismic
survey with
an option to
acquire an
80% interest
by fully
funding the
Beehive-1 well

Prospective

barrels of oil

Resource of up to 2 billion

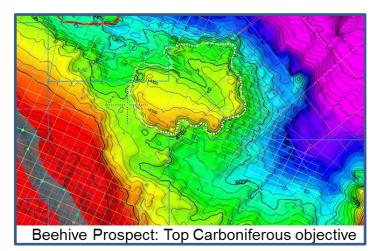
Prospective Resources - Recoverable

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.

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

Beehive is analogous to the giant Tengiz field in the Caspian basin, which is also a Carboniferous isolated carbonate build up. The carbonate reservoir 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 access to the Lower excellent Carboniferous source rock adjacent depocentres. This play setting is undrilled in the Petrel Basin.



Lower Permian Marker

Carboniferous
Seal Interval

Carboniferous
Seal Interval

Silurian
Salt

Ordovician

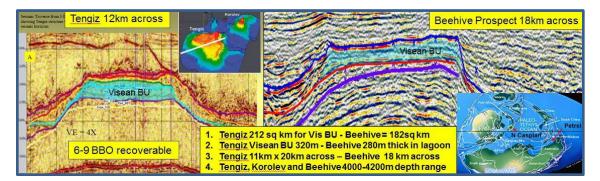
Salt

Carboniferous
Carboniferous
Carboniferous
Carboniferous
Source Interval

400m vertical relief

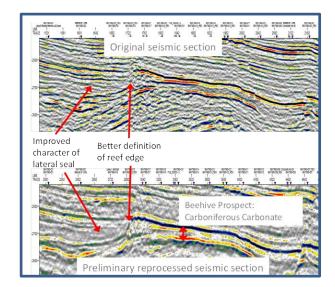
*The estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation is required 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



While Melbana has a 100% interest in the WA-488-P permit, French major Total and Australia's Santos have agreed to fully fund a 3D seismic survey over the Beehive prospect in return for an option to acquire an 80% participating interest in the permit by fully funding the Beehive-1 exploration well.

Permit Work Obligations

Permit Year	End Date	Minimum Work Requirements	Estimated Expenditure (indicative only)
2	21 Mar 2018	Geological and Geophysical Studies	A\$200,000
		Survey Data Proprietary Processing	A\$300,000
		150km 2D Broadband Reprocessing	A\$150,000
		and Seismic Inversion	
		330km 2D Broadband Seismic	A\$250,000
		Reprocessing, Seismic Stratigraphic	
		Interpretation and Analogue Field Study	
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

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