

Australia – Vulcan Sub-basin

AC/P50 AC/P51

The AC/P50 and AC/P51 exploration permits are located offshore North-West Australia in the Vulcan Sub-basin adjacent to a number of oil and gas discoveries. The permit has an area of 583km².

Melbana sold its 55% interest in the permits to joint venture partner Rouge Rock Pty Ltd on 22 August, 2018. The terms of the divestment gave Melbana an interest in any future farmout or sale of the Permits.

In May 2021, it was announced that the subsidiaries of Australia’s Santos and Malaysia’s SapuraOMV (Purchasers) had acquired the permit AC/P50. As a result of this transaction, Melbana received an upfront cash payment and retained its entitlement to a 10% share of any future royalty Rouge Rock would receive for production that may occur from this permit area during a defined period.

The Purchasers have also acquired the right to acquire the permit AC/P51. Should this right be exercised, Melbana would be entitled to receive similar cash consideration and contingent royalties.

Melbana is not responsible for any costs of the permit from the date of divestment.

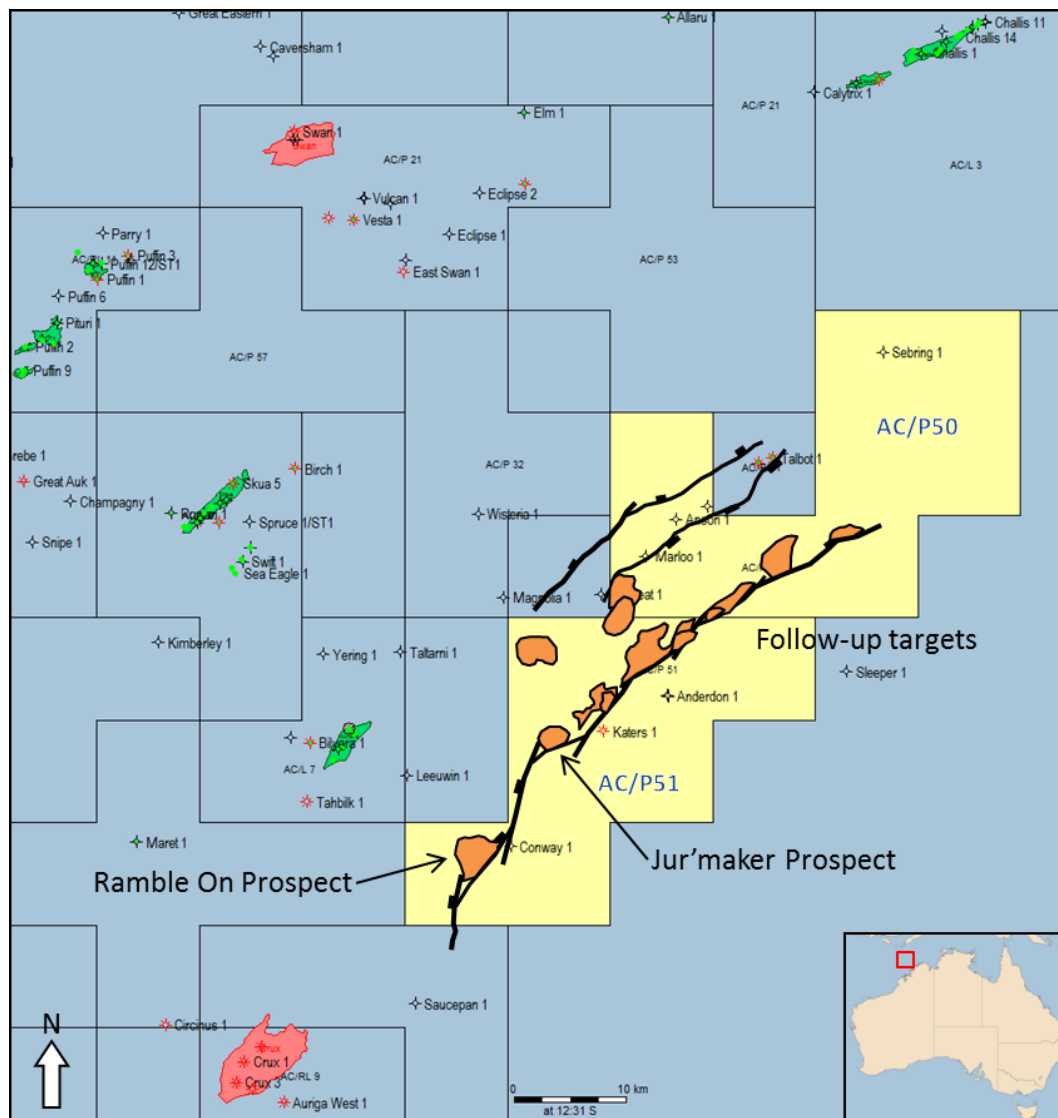


Table 1 - Prospective Resources (Ramble On)¹

| Prospect | Unit | COS ² | Unrisked Prospective Resource | | | |
|-----------|-------|------------------|-------------------------------|-----------|-----------|------|
| | | | Low (1U) | Best (2U) | High (3U) | Mean |
| Ramble On | MMboe | 11% | 8 | 38 | 63 | 150 |

² Chance of Success

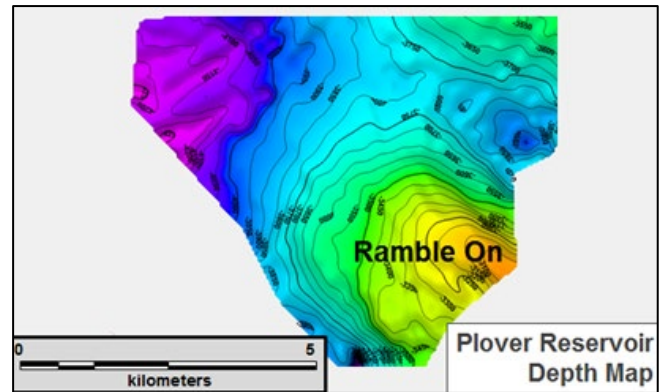
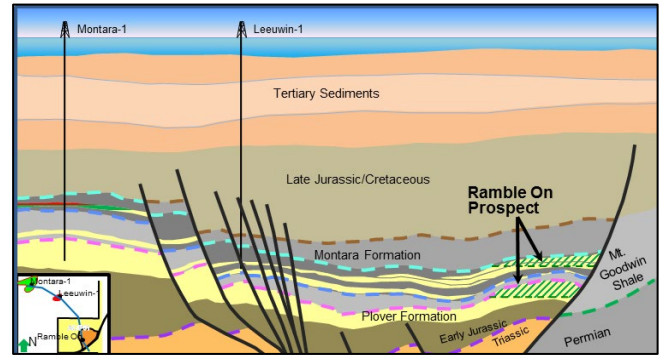
PROSPECTIVITY

AC/P51 is located on the Western margin of the Vulcan sub-basin, where the Late Jurassic, oil prone source rock presence is demonstrated and related oil discoveries have been made nearby at the Montara and Talbot oil fields.

The recent 3D seismic data acquisition and reprocessing undertaken by Melbana has led to a sufficient improvement in seismic data quality such that the true structural form of the key Plover and Montara reservoir units can now be defined.

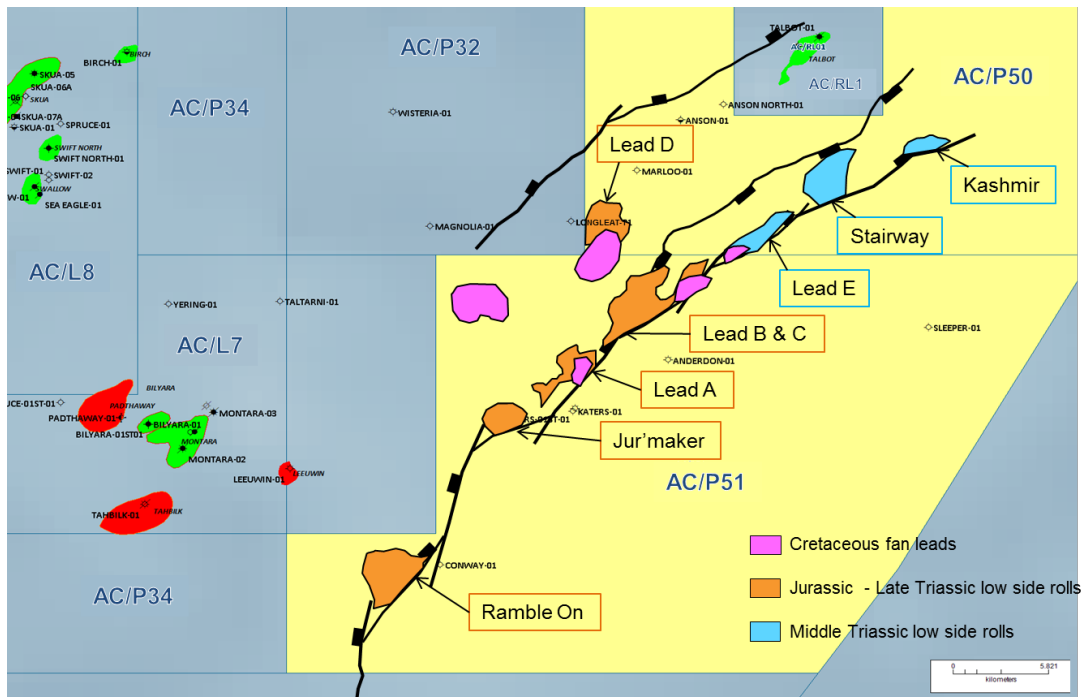
A series of 3-way low side fault traps have been identified. The highest graded prospect is Ramble On, located at the south west end of the trend in a water depth of 68m. Ramble On is ideally located for hydrocarbon charge immediately adjacent to Late Jurassic source-prone intervals. The prospect is a very robust structure with ~500m of vertical relief and the crest of the feature is approximately 2800mSS at the Montara/Plover Fm objective.

Follow up potential to Ramble On has been identified in a series of six additional prospects and leads to the north-east in both AC/P51 and AC/P50, and in other play types identified in the permits.



FOLLOW UP POTENTIAL ON TREND

Follow up potential to Ramble On has been identified in a series of six additional prospects and leads to the north-east in both AC/P51 and AC/P50, and in other play types identified in the permits.



The Jur'maker prospect is along trend from Ramble On and incorporates the same lowside fault play elements involving Jurassic objectives. Jur'maker would be a natural follow up well in the event of success at Ramble On.

Table 2 - Prospective Resources (Jur'maker)¹

| Prospect | Unit | COS ² | Unrisked Prospective Resource | | | |
|-----------|-------|------------------|-------------------------------|-----------|-----------|------|
| | | | Low (1U) | Best (2U) | High (3U) | Mean |
| Jur'maker | MMboe | 6% | 3 | 13 | 30 | 70 |

² Chance of Success

Additional lowside fault closures involving Triassic reservoirs exist in the adjacent AC/P50 permit.

¹ 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. Prospective resources have been estimated using the Probabilistic Method. Gas to Oil Factor: based on Mcf to BOE energy equivalence conversion of 6 to 1.

Melbana Energy Limited

ABN 43 066 447 952

**Level 15, 9 Hunter Street
Sydney NSW 2000
AUSTRALIA**

Telephone: +61 (2) 8323 6600
Facsimile: +61 (3) 8080 1748

Contact

Andrew Purcell
Executive Chairman
andrew.purcell@melbana.com