

## Canterbury Basin

### Key facts

#### Where

A basin of about 55,000 sq km extending from the Canterbury Plains out to an offshore region east of the South Island.

#### Geology

Composite basin morphology from diverse episodes of tectonic activity. Mid-Cretaceous to Quaternary basin fill with over 6 km of sediment thickness in places.

#### Wells drilled

11 wells over 500 m depth, four of these offshore.

#### Discoveries

The offshore Galleon-1 well flowed 10 mmcf and 2300 bopd of condensate, but the well was abandoned as sub-commercial.

#### Prospects

Three main targets: drape structures over mid-Cretaceous basement horsts; stratigraphic pinch-out of Late Cretaceous coal measures against basement; Miocene to Recent structures.

#### Potential source rocks

Mid-late Cretaceous to Eocene coaly sediments, and Paleocene marine black shales.

#### Potential reservoir rocks

Cretaceous conglomerates and sandstones, Late Cretaceous to early Cenozoic transgressive sandstones and Miocene sandstones.

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