

STRATIGRAPHY

The nearest wells to Permit T-19-P are the Konkon #1, Toolka #1A, Cormorant #1, Aroo #1 and Bass #3. Other wells drilled in the Bass Basin are also relevant, however the distances from the permit area are such that stratigraphic/structural relationships are at best difficult to establish. Map 1.

The main sources of stratigraphic information for the permit are the well completion reports and Mr. Felix Roland Aquing masters dissertation on the Geology of the Eastern View Coal Measures - Bass basin, 1980.

The time-stratigraphic sub-divisions, thicknesses, net sand thicknesses, percent sand and sand-shale ratio are summarized on Figures E, F.

The following were taken from the Aquing dissertations. It should be kept in mind that this study is by definition based on the areas of high density of data, the southeast area, and that consequently the conclusions are a bit stretched in regard the central graben and flank horst blocks areas found on Permit T-19-P. Nevertheless:

- Source - rock analyses and the depositional history of the basin indicate that the northwest part of the basin has the greatest oil-potential. Page 2.

- An abundance of good quality reservoir sands occur throughout the Eastern View Coal Measures, the overlying marine "Upper Eocene Shale" and Oligocene marine shales are capable of forming regional seals. Page 2.

- Abruptly overlying the Eastern View Coal Measures is the dark chocolate brown marine "Upper Eocene Shale" or Demon's Bluff Formation.