

66 feet thick, which apparently represents an offshore bar associated with the volcanic interval to the southwest.

Miocene - At least 3,000 feet of Miocene rocks were drilled in the Esso Bass-1 well from the 20 inch casing shoe to a depth of 3,775 feet. The Lower Miocene is fossiliferous calcareous shale overlain by a thick (550 feet) tuffite interval; the Mid Miocene is marl, calcareous mudstone and skeletal calcarenite and the Upper Miocene is skeletal calcarenite.

Much the same section as above, with the exception of the tuffite, is seen in the Esso Bass-2 well. Also, quartzose sand grains are much more evident in the interval from 1,400 to 2,100 feet in Esso Bass-2.

Pliocene-Pleistocene - Strata of Pliocene-Pleistocene age were not observed during the drilling of the Esso Bass-1 well. Doubtless, strata of this age lie within the interval drilled prior to setting 20 inch casing (0-817 feet). A similar situation is anticipated with the surface hole for the Esso Bass-2 well.

### 3. Stratigraphic Table

The succession as shown below is based on lithology, paleontology, and log analysis. These units can be tied to seismic marker reflections which can be traced across the basin. At this stage, no formation names have been applied to these units.

<u>Stratigraphic Table</u>					
<u>Unit</u>	<u>Age</u>	<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>	
Calcarenite (and some quartz sand)	Upper & Middle Miocene & Younger	267	2164	1897	
Calcareous Mudstone	Middle & Lower Miocene	2164	2986	822	
Mudstone, Siltstone & Sandstone	Oligocene	2986	3618	632	
Argillaceous Siltstone	Upper Eocene	3618	3838	877	
Sandstone, Siltstone and Coal	Middle & Lower Eocene	3838	4495	657	
Sandstone, Siltstone and Coal	Paleocene (?)	4495	5511	1016	
Altered "Trachyte" (Volcanics)	Unknown (possibly Mesozoic)	5511	5767	256	
Altered Mudstone (Tuffaceous)	Unknown (possibly Mesozoic)	5910	-	243+	

### 4. Stratigraphy

#### Miocene

850-2164

Coarse Calcarenite: (or Bryozoan biomicrudite), light grey, fine to very coarse grained; made up largely of assorted calcareous fossil debris (bryozoa, echinoids, pelecypods or lamellibranchs and foraminifera). The rock is loosely consolidated. Trace of glauconite, pyrite and very minor carbonaceous flecks and grains. The interval from 1400-2164 ft. contains varying amounts of quartz sand grains which are generally fine-grained, sub angular to well rounded; these grains are clear, white, light grey, grey and in some cases translucent. A minor amount of marly or micritic matrix is evident throughout the interval.

2164-2986

Calcareous Mudstone: light grey-green and grey-green, very soft and plastic, micromicaceous in part, with very sparse carbonaceous flecks. The interval is