

V.5 PLAY CONCEPTS

Prior to BB85 seismic survey, two main playtypes existed in T-15/16-P permits. They were fault closure on Top and Intra EVCM and Upper Cretaceous structure on the upthrown side of a rift-related normal fault.

In the light of recent interpretation, the former playtype is not very attractive in most of the T-15/16-P area, since Eocene - Paleocene section there is in general very thin, shallow and too sandy, and, therefore, lacking matured source rock and adequate seals. Structures at these levels are not big and, also fault - dependent, making this playtype still less appealing.

The second play concept is downgraded mainly due to possible lack of seal on otherwise prospective Upper Cretaceous sediments.

Three new playtypes have emerged as a result of seismic structural/stratigraphic interpretation, largely, due to the superior quality of BB85 seismic data and the information from the Durroon -1 well. They are as follows:-

1. Alluvial fans deposited on the downthrown side of a normal rift-related fault. This playtype is based on stratigraphic interpretation of the key lines BB85-26,28 and 23, taking into account a complex mechanism of rift geology (see chapter V.3). Within this playtype there have been mapped big structures, and predicted good reservoirs, seals and matured source rock next to the reservoirs.