

V INTERPRETATION OF SEISMIC DATA

V.1 INTRODUCTION

Only three wells have been drilled in T-15-P/T-16-P permits: Durroon -1, Squid -1 and recently Chat -1. Some 7,325 km of seismic data have been shot in these permits since early 60's (see Table 1 and 2). The quality of seismic data has improved over the years. Thus, BB-85 data allows us to perform not only structural, but also stratigraphic interpretation of the complex geology of the south-eastern corner of the Bass Basin.

In the recent interpretation only the data shot in 1975 or later was used. Most of the stratigraphic information incorporated in the interpretation was provided by Durroon -1 well.

A well-known conclusion from a well completion report on Durroon -1 well [9], namely, "the lack of a seal probably accounts for this section being dry", has become a commonly accepted verdict not only on Durroon structure, but on the whole south-eastern corner of the Bass Basin, thereby downgrading this area. Recent interpretation differs from the above view. A new geological concept of Late Cretaceous rifting in, what is here called, rift-related Durroon Sub-Basin, has been developed on the basis of seismic structural-stratigraphic interpretation. This, in turn, has helped to develop several new playtypes. In these, Upper Cretaceous sediments, both rift and post-rift, are considered to be the main objective for oil and gas exploration in the permits.