

Introduction (cont.)

a "New Paleocene/Cretaceous Play" has been identified in the Bass Basin. The lateral facies changes anticipated to take place in this objective section are shown on Figure 3, "Suggested Hydrocarbon Migration" model. The Durroon #1 well, which displays a very sandy section, would be positioned at the right end of this model, to the southeast, while the prospects and leads would occupy the thicker central area of the model where interbedded sandstone and shale constitute the reservoir and source rock objective section, Figures 1,2,4.

Regional seismic lines tied to the Durroon #1 well indicate that the stratigraphic section expands greatly, to the southwest and to the northwest, away from this well. This is especially well illustrated by representative seismic lines WB-82-32, B-69-A-4 and B-69-A-6, Enclosures 6 & 7, 1 & 2.

The play concept calls for a thick reservoir section and a mature source rock shale package to be present within the Paleocene/Cretaceous section. It also calls for the presence of early formed structures sealed in a timely manner by surrounding and overlying shales. Available data indicate that these requirements are present in certain areas of Permit T-15-P.