

V CONCLUSIONS

a GENERAL CONCLUSIONS

The incorporation and interpretation of 300 km of recent seismic data into the data base pertinent to the Bark Sub-basin has resulted in the detailing of a drillable prospect on the Strathroy Block. For the sake of completeness it may be desirable to further record two additional lines of data such that they pass over the mapped culminations of the prospect and parallel to the long axis of the Strathroy horst block.

It can thus be concluded that the Bridge Bass 1990 Seismic Survey has met its objectives in this area of the Durroon Basin in T/15P.

b CONCLUSIONS REGARDING MAP RELIABILITY

There are several conditions that control the reliability of contour maps created from two-way time seismic data; some of these are:

- the number of wells available to which seismic data can be correlated.
- the reliability of correlations to the available wells.
- the location of the well(s) relative to the area being mapped.

The maps relating to this interpretation have been tied to Durroon-1 which is the only well available in the area. This well being located in the Anderson Sub-basin, which necessitates the use of 'look-a-like' correlations when relating data in the Bark Sub-basin to it. Therefore; the most reliable correlations are those that are closest to the well. As the interpretation proceeds southward in the Bark Sub-basin map reliability will be reduced.

The above conclusions apply in the Boobyalla Sub-basin as Edgerley points out in Appendix VI. It becomes imperative that stratigraphic information in the southern extremities of the Bark and Boobyalla Sub-basins be obtained as soon as it is economically feasible.

VI RECOMMENDATIONS

The results of this survey suggest the following recommendations regarding future seismic data recording in the area:

- stratigraphic information is required to improve or substantiate seismic correlations in areas where drilling might be conducted.
- two lines of data are required over the Strathroy feature in order to remove uncertainties regarding the viability of this prospect.