

The primary objectives were fulfilled, establishing that Whelk No. 1 was drilled on a basement high, and that Mussel No. 1 and Prawn No. 1 were drilled off-structure. A satisfactory tie was made between wells, except that there is considerable uncertainty surrounding the ties to Prawn No. 1, as a result of its structural situation and unique stratigraphic succession.

Record quality was substantially improved, and for the first time it was possible to map with some degree of confidence. However, there is still room for improvement, although it is not clear how this can be achieved with present available techniques. Energy input could be increased by decreasing shot interval, although the present interval is close to the practical limit, and possibly more stringent noise limits could be imposed. The velocity analysis would be improved if every depth point were used rather than alternate depth points. It is not likely that 48 fold processing would significantly improve results, but further experiments will be considered. The reprocessing was of mixed success, many of the records lacking deep energy, but in some cases being almost as useful as new shooting would have been. The advanced processing was very successful in providing a further parameter, velocity, to assist in interpretation. In particular, the ability to discriminate between events on the basis of velocity was often vital. The effect of continuous velocity information on record quality by accurate stacking cannot be assessed, but was probably considerable. The major shortcoming in processing was the time taken, and the necessity for shipping data overseas,