



3. Velocity Analysis :

1. Program 700-2 provides a continuous velocity analysis technique which was used to determine the complete velocity field along a line.

Inputs to this program are pre-processed CDP gather records. For Sequences A, B and C data, every depth point was submitted (33.3 metre depth point interval). For Sequences D and E data, only alternate depth points were used (44.4 metre depth point interval). On these CDP records the following processed were performed :-

- o Moveout and Dip Scan Building -

A moveout scan is generated for each depth point and is formed by the application of a constant shift to each trace in proportion to the square of the offset of the trace and then stacking by mixing together all the traces in the gather to form a scan trace. The moveout applied is then incremented by a constant amount and the process repeated until the range of moveout applied exceeds the expected seismic range.