For each set of figures, interval and average velocities were computed using Dix's formula. These interval velocities were used to assist in picking the records.

From these figures, following picking of the records, an average velocity figure was taken for each picked time (every 24 traces for new lines, 20 for old lines). Where a picked time did not correspond with a selected velocity event, the velocity was interpolated using the appropriate interval velocity.

The velocity values were then checked for ties and edited, values differing by 500 ft/sec. or more from adjoining figures, but with no great change in reflection time, being discarded, or in some cases reworked from the velocity displays, picking different events. The velocity figures were then smoothed along each line using a 5 point running average, broken at faults.

This procedure was followed for both horizons and the results used for depth calculations. The times for Horizon B were corrected for onset by .025 sec., but a similar correction was not made for Horizon C, as the accuracy of picking the records is not sufficient to justify this precision.