



3. COMPUTING

A. Datum Plane

Well geophone arrival times were corrected to a sea level datum plane using a reduction velocity of 5000 feet per second.

Velocity survey times were processed in Brisbane by the Scientific & Technical Computing Centre from data supplied by Austral United Geophysical.

B. Record Quality

Record quality at all levels is good and arrival times are considered reliable. Record times from groups of shots at the same level are in close agreement.

C. Sonic Calibration

A cumulative correction plot is shown on Plate 1.

Seismic and sonic times were tied at 2942 feet K.B. and using seismic times as reference values the cumulative errors of sonic times were plotted against depth.

Correction to the sonic log at 5650 feet is $-.039^5$ seconds, and at 9670 feet is $-.040^5$ seconds.

The caliper log shows excessive washout between 2900 feet and 4200 feet K.B. and it is likely that the sonic log drift occurs across this section of hole.

Intermediate times taken from the sonic log between check shots at 2942 feet and 5650 feet are assumed to drift between 2942 feet and 4532 feet, but agree with seismic time between 4532 feet and 5650 feet.