



371063

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.

Arrivals on the first record at 9440 feet K.B. were reversed because of incorrect input polarity. All subsequent shots were correct.

C. Sonic Calibration

A cumulative correction plot is shown on Plate 1.

Seismic and sonic times were tied at 3225 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 4286 feet is $-.034$ seconds, and at 9440 feet is $-.037^5$ seconds.