1.0 INTRODUCTION

A synthetic seismogram was computed from the sonic log for Chat - 1. No density or checkshot data was available, and hence the sonic log has not been calibrated with respect to the seismic travel time and the reference to datum is not absolute.

2.0 SURVEY PARAMETERS

Elevation SRD	Mean Sea Level
Elevation KB	25.3 metres AMSL
Elevation DF	25.0 metres AMSL
Elevation GL	-81.4 metres AMSL
Well Deviation	Nil
Total Depth	3109 metres below KB
Sonic log interval	255 to 3109 metres below KB

Recording was made on the Schlumberger Computerized Service Unit (CSU) using LIS format.

3.0 PRELIMINARY PROCESSING

3.1 Open Hole Logs

The sonic log has been edited for cycle skipping prior to input into the GEOGRAM chain. A constant density of 2.3 gm/cc has been used along the entire logged interval.

3.2 Correction to Datum

Seismic Reference Datum (SRD) is at Mean Sea Level. An average velocity of 1993 metres/sec has been used from the sea floor to the top of the sonic log. Using a water of 1500 metres/sec from datum to sea floor, a transit time of 128.7 millisecs was calculated from datum to the top of the sonic log. The initial value for the integrated sonic log has been set to this value. No drift corrections were attempted on the sonic log.

The 'Time Converted Velocity Report' appended to this report gives a complete listing of depth and two way travel time sampled every two millisecs.