

III.4 NAVIGATION

The Maxiran System is a pulse transponder radio navigation system developed to provide an easily mobilized chain for accurate positioning in the petroleum exploration industry.

Maxiran is an all solid state design based on the highly desirable features of long range (XR) Shoran. However, with many countries now requiring a move from the 230 MHz band that Shoran used, Maxiran makes use of the 430 MHz band with many additional features that make it more compatible with today's seismic instrument technology. These features include:-

- A. Monitor has built-in automatic or manual tracking of 3 stations simultaneously. Three way fixed are obtainable continuously with 3 stations.
- B. Ranges are displayed digitally and also on scope monitor.
- C. Date, time, line number and shot number are all displayed digitally.
- D. The monitor provides 2 serial and 2 parallel data output ports. The serial outputs are directly compatible to virtually all printers in general usage. Parallel outputs are TTL compatible thus providing interface directly to data loggers or computers.