4. SURVEY METHODS AND PROCEDURES (Cont'd)

4.6 Digital Seismic System

4.6.1 Energy Source

For this project the nine-electode sparkarray was modified to an eight-electode sparkarray consisting of two (2) groups of four electrodes. Each set was connected to a set of source units comprising one (1) E.G.& G. Model 231, one (1) 232A and two (2) 233A. Power was supplied by a 55KVA generator.

4.6.2 DFSV Recording System

This consisted of three (3) modules :-

A. ANALOG MODULE
To obtain the 24 channels of 1 millisecond-sampled, 2 second duration data required on this project, 1 analog module was used. This performed the function of analog amplification, filtering, multiplexing and analog to digital conversion.

B. CONTROLLER MODULE
The controller module contains system timing and control, three (3) AGC options, digital to analog conversion, demultiplexer, playback filters and galvanometer drivers.

C. TAPE TRANSPORT
The tape transport module houses the read/write electronics and the tape drive. Dual tape drives were operated. Each tape contained information for 240 shot points.