



SECTION II

STREAMER

The neutrally buoyant, 2400 meter, autotrimming streamer (Plate 2) employed throughout the prospect had 24 equally-spaced, 164-ft long, live sections separated by 164 ft dead sections. Each live section had 10 equally-spaced crystal detectors. One elastic section of 100 ft length followed the tail-end live section to which was attached a tailbuoy with 90 ft of rope. Two dead sections and two elastic sections preceded the first live group for SP's 1 - 3219. Two more elastic sections were added for SP's 3220 - 7797. One lead-in dead section was replaced by an elastic section for SP's 7798 - 19505.

The streamer was ballasted to ride horizontally below wave action. A variable length of nonbuoyant lead-in cable connected the streamer to the towing vessel. Immediately following the lead-in cable streamlined depressor type weights (the pig) were attached to the streamer. Under continuous tow the pig becomes hydrodynamically stable at a depth which is a function of its speed through the water and the lengths of the lead-in cable.

Six autotrimming sections of 164 ft lengths were located between groups 17-18, 15-16, 13-14, 9-10, 5-6, and 1-2. Six pressure-sensitive depth transducers were located immediately in front of groups 21, 17, 13, 9, 5, and 1. Depth transducers were calibrated at zero and at the desired towing depth dictated by client. Depth readings were taken from six 0 to 100 ft meters located in the instrument room.