

not to an extent necessitating suspension of operations.

D. Surveying Technique

The SHORAN direct ranging method was employed for positioning control. The equipment included track plotter and digital print out system. Three land based stations were used for the project. A description of the SHORAN System and the fixed base station sites is included in a separate report to be submitted by Offshore Navigation, Incorporated.

E. Chronolgy

December 5th, 1968 - Field test completed on ship board equipment.
 December 6th, 1968 - Enroute to project area.
 December 7th, 1968 - First day recording.
 December 10th, 1968 - Rough seas, unable to bring in cable.
 December 20th, 1968 - Project completed.

III. RECORDING OPERATIONS

A. Survey Vessel: M/V "Western Spruce" - 119 foot steel hull twin-screw vessel of American registry, powered by two General Motors V-16 Marine Diesel engines, capable of 11 knots cruising speed, and fitted with two Decca 202