

Cruise Report
USGS - UT Coop

80007 IN
#74 CLBERU

1. Ship: R/V LONGHORN
2. Cruise No.
3. Area of Operation: Eastern Corpus Christi Bay
4. Date of Operation: 1/9/80
5. Personnel: Dr. Lynton Land - Univ. of Texas - Chief Scientist
and 6 students
Ronald Miller - USGS, Seismic Operator
Neal Lillard - USGS
6. Purpose: The objective of this cruise was to obtain high resolution seismic records with various types of seismic equipment over an identical area for comparison purposes.
7. Equipment: Del Norte 561 Minisparker
EG&G Uniboom
Shell Minisparker
EPC Recorder
Del Norte Hydrophone
8. Navigation: Navigation was by ship's crew using Loran A.
9. Data Acquired: 2 lines, each of 10 km for each of 3 different seismic systems. A total of 60 km of high resolution seismic data.
10. Comments: Equipment performed fine after being repaired at sea. Neither equipment nor accessories were properly prepared by Electronic shop prior to sea duty.
 - a. EPC - major internal plug not connected
 - b. 561 Minisparker - no visible indications of internal power setting
 - c. No connectors for wiring system together
 - d. Tool kit for simple repairs not included in supplies
11. Tabulated information:
 - a. Day at sea - 1 day
 - b. Working day - 1 day
 - c. Ship Trace - 80 km
 - d. Km of continuous data - 60 km
 - e. No. of stations - NA
 - f. No. of samples - NA