



United States Department of the Interior

MINERALS MANAGEMENT SERVICE
Alaska Outer Continental Shelf Region
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DATA ANNOUNCEMENT **Minerals Management Service**

Outer Continental Shelf Permit 75-17
Contract 14-08-0001-16418

MULTI-CHANNEL SEISMIC REFLECTION DATA **ST. GEORGE AND NORTH ALEUTIAN BASINS** **BERING SEA – ALASKA**

From April 27, 1975, through July 25, 1975, Union Oil Company of California acquired 3,569 miles of multi-channel seismic reflection data. These data were collected under Permit 75-17 issued by the Minerals Management Service (MMS). The MMS acquired these data on September 1, 1976, under Contract 14-08-0001-16418. The MMS is required to keep this information proprietary for 25 years from the date that the Government signed the contract to acquire the information. Therefore, the processed seismic sections are now available to the public through the World Data Center for Marine Geology and Geophysics, Boulder, Colorado. They will be responsible for making copies and marketing these data.

Under Permit 75-17, the seismic contractor, Dresser Industries, Inc., used three vessels. The M/V Canadian Olympic used an EPR Sleeve Exploder as a sound source. Six energy sources were suspended from the vessel at a depth of 30-40 feet. The system developed 30.7 million ft.-lbs. of energy per line mile. The M/V U. S. Olympic employed a 1,600-cubic-inch array of Bolt Par Air Guns towed at a depth of 35 feet. The maximum output of this system was 33.5 million ft.-lbs. per line mile. The vessel M/V State Wave used 4 airguns with a total capacity of 1,092 cubic inches and a total energy output of 22.6 million ft.-lbs. per line mile. The airguns were towed at a depth of 35 feet. The navigation for all three vessels was Loran C operated in the Rho-Rho mode.

The acquisition and processing parameters were identical for all three of the data sets. The 7,874-foot streamer contained 48 groups of 30 hydrophones each. The group interval was 164 feet with a shot interval of 82 feet. The cable was towed at a depth of 35 feet. The near-trace offset was 984 feet. The data were recorded at a 4-ms sample rate and a 5-second record length. The recording device was a DFS IV.

The data were processed in a 24-fold stack. The final displays are after automatic gain control was applied. The specific data that will be released are as follows.

DATA AVAILABLE

Approximately 1,404 miles of stacked multi-channel seismic reflection profiles over the North Aleutian Shelf (Bristol Bay).

Approximately 2,165 miles of stacked multi-channel seismic reflection profiles in the St. George Basin.

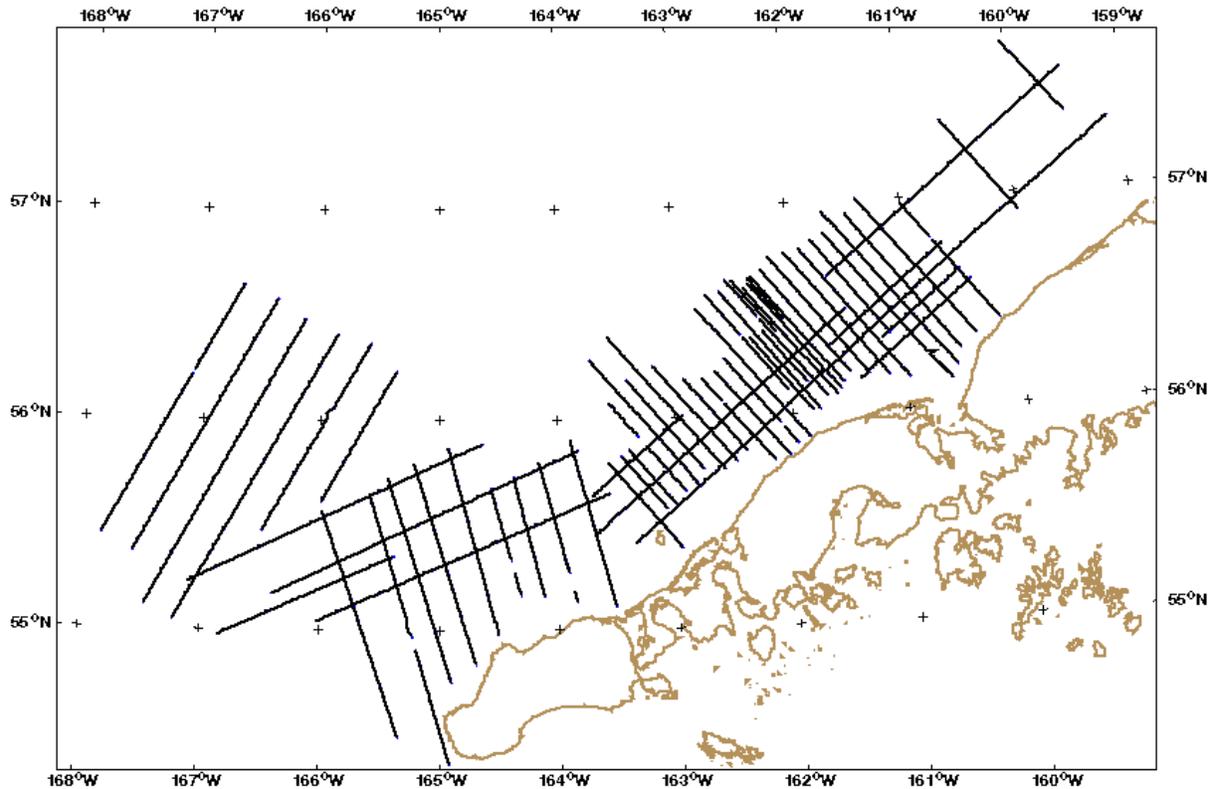
The attached small-scale map displays the coverage. The seismic reflection profiles can be supplied as plastic sepia, paper sepia, and/or blackline prints. The data are ½ scale sections (2 ½-inches-per-second 2-way travel time).

Velocity plots have been scanned and recorded on CD-ROM.

A navigation map is available as a reproducible or paper copy.

Digital navigation data are available on CD-ROM.

Data Coverage Permit 75-17



For further information or expressions of interest in acquiring the data please contact:

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Additional data release announcements may be found at

<http://www.mms.gov/alaska/re/relgg/INDEX.htm>