BioStratigraphics
Consulting Micropaleontology

8913 Complex Drive, Suite C
San Diego, CA 92123
Tel. (619) 560-4580
TWX: 910 335 2053 BIOSTRAT SDG

ARCO

NORTH ALEUTIAN SHELF COST NO. 1

JOB #05820107

RADIOLARIA REPORT

Interpreted by:

Stanley A. Kling

Biostratigrapher Consultant

BioStratigraphics
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January 26, 1983

ARCO Exploration Company
P.O. Box 360
Anchorage, Alaska 99510

ATTENTION: Mr. David M. Hite

SUBJECT: Radiolarian Report - ARCO North Aleutian Shelf C.O.S.T. No. 1, Bering Sea, Alaska

Submitted here is the Radiolarian Report for the ARCO North Aleutian Shelf C.O.S.T. No. 1 well.

The samples were processed and examined by BioStratigraphics, San Diego, California. The resultant analysis was based on the study of recovered radiolarians.

Please call us if you wish to discuss further any of our results.

Sincerely,

Stanley A. Kling
Stanley A. Kling
Biostratigrapher Consultant

A.D. Warren
A.D. Warren
Senior Biostratigrapher
Manager

SAK:ADW/jam

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SUMMARY

Only a few specimens of Radiolaria were recovered from foraminifera preparations in the North Aleutian Shelf C.O.S.T. No. 1 well. None was age-diagnostic.

INTRODUCTION

Scope

BioStratigraphics prepared and analyzed 175 samples of ditch cuttings, 152 sidewall cores, and 145 conventional core samples from the North Aleutian Shelf C.O.S.T. No. 1 well for radiolarians. Ditch cutting samples were composited over 90 foot intervals.

Procedures

Samples were disaggregated in water with hydrogen peroxide and sieved on a mesh with 74-micrometer openings. The retained fractions were mounted on glass slides for examination in transmitted light.

Format

Results are presented in a following section. Data are combined for intervals over which no significant change was noted. This is followed by a Conclusions section.

Estimates of relative abundance of species are abbreviated as follows: abundant (A), common (C), few (F), rare (R), and very rare (V).

BIOSTRATIGRAPHIC RESULTS

Occurrences of Radiolaria in radiolarian preparations are compiled below for the individual samples in which they were found. Other samples were barren of radiolarians.

Radiolarians were also encountered in foraminifera preparations. These were checked and found to contain no diagnostic species. Readers are referred to the foraminifera report for these occurrences.

Sidewall Core

1545'

Age. Indeterminate

Species. Unidentified altered spongodiscids

Remarks. Altered radiolarians at this depth are probably reworked.

Core 1

3392.8'

Age. Indeterminate

Species. Stylodictya validispina (V).

Sidewall Cores

10,730', 10,829'

Age. Indeterminate

Species. Questionable radiolarians, altered.

Ditch Cuttings

11,670-11,760'

Age. Indeterminate

Species. Cenosphaera? sp. (V).

CONCLUSIONS

Recovery of radiolarians was negligible in the North Aleutian Shelf C.O.S.T. No. 1 well. No age-diagnostic forms were identified.