

Appendix C: Palynology data, in Furer, L.C., and Amoco Oil Co., Data compilation of the 1972 field party, southeast Brooks Range and Fort Yukon, Alaska; Vol 2

Furer, L.C., and Amoco Oil Co.

GMC DATA REPORT 465C

This GMC data report from the Amoco Heritage collection has been made available through funding from the FY2018 USGS National Geological and Geophysical Data Preservation Program, Grant Number G18AP00054. This project report is presented in its original format and has not been reviewed for technical content or for conformity to the editorial standards of DGGs. It should not be used or cited as reviewed data.

2019
State of Alaska
Department of Natural Resources
Division of Geological & Geophysical Surveys
GEOLOGIC MATERIALS CENTER



Fort Yukon Basin

APPENDIX C
PALYNOLOGY, Forams 1972





Amoco Production Company

Security Life Building
Denver, Colorado 80202

April 4, 1973

0014
CF74 0230

Re: Palynologic Age Determination
Fort Yukon Basin, Alaska
Outcrop samples - 1972

Mr. Terry Cooper
Northwest District
Building

Attention: Lloyd Furer

Eighty-eight (88) outcrop samples collected in 1972 in the Fort Yukon Basin area of Alaska were submitted for palynologic age determinations. The results of these determinations are presented, along with the carbonization index and Kerogen type found in the samples.

<u>Sample No.</u>	<u>Age Determination</u>	<u>C.I.</u>	<u>Kerogen Type</u>
FCH 796	U. Tertiary or all con- tamination	1-2	Structured
FCH 798	Barren	7	"
FCH 801	Barren, Recent con- tamination	7	"
8203 PSr	Mesozoic-Jurassic	5	"
8208 PSr	Barren	6	Amorphous
8220	Barren	7	Structured
8229 P	Barren	7	"
8230 P	Barren	7	"
8232 P	Barren	7	"
8245 PL	Barren	7	"
8246 P	Barren	7	Structured
8247 PL	Barren, Recent con- tamination	7	"
8249 LP	Barren	7	"
8250	Barren, Recent con- tamination	7	"
8252 P	Paleozoic, indeterminate	7	"
8257 P	Barren	7	"
8258 P	Paleozoic, indeterminate	7	"
8259 P	Paleozoic, indeterminate	7	"
8260 P	Paleozoic, indeterminate, Recent contamination	7	"
8265 P	Devonian	7	"

<u>Sample No.</u>	<u>Age Determination</u>	<u>C.I.</u>	<u>Kerogen Type</u>
8266 P	Devonian	7	Structured
8267	Devonian	7	"
8269 P	Paleozoic, indeterminate	7	"
8271 P	Barren, Recent contamination	7	"
8272 P	Paleozoic, indeterminate	7	"
8273 P	Paleozoic, indeterminate	7	"
8296 P	Barren, Recent contamination	7	"
8305 P	Barren	7	"
8308 PL	Barren	7	"
8309 P	Barren, Recent contamination	7	"
8310 P	Barren	7	"
8311 P	Barren	7	"
8313 P	Barren, Recent contamination	7	"
8327 P	Barren	7	"
8329 P	Paleozoic, indeterminate	6	"
8333 P	Barren	7	"
8342 P	Barren	7	"
8354 P(a)	Barren	7	"
8354 P(b)	Barren	7	"
8356 P	Barren	7	"
8360 PSr	Barren	7	"
8361 PSr	Barren	6	"
8362 Sr	Barren	6	"
8362 PSr	Barren	6	"
8363 PSr	Mesozoic? indeterminate	6	"
8367 PFSr	Barren, Recent contamination	7	"
8377 PSr	Barren	7	"
8379 P	Barren	7	"
8405 L	Barren	7	"
8406 P	Barren, Recent contamination	7	"
8409	Miocene	3	"
8412 P	Barren, Recent contamination	7	"
8424 P	U. Tertiary or all contamination	1-2	"
8620 P	Barren	6	"
8623 P	Barren	7	"
8661 P	Barren	7	"
8691 PL	Paleozoic, indeterminate	7	"
8712 LP	Barren, Recent contamination	6	"
8791 P	Barren	7	"
8792 PF	Barren	6	"
8793 PF	Barren	6	"

<u>Sample No.</u>	<u>Age Determination</u>	<u>C.I.</u>	<u>Kerogen Type</u>
8794 PSr	Barren	6	"
8806 LP	Barren	7	"
9025 PSr	Barren	7	"
9027 PSr	Barren, Recent con- tamination	6	"
9028 PSr	Barren	7	"
9029 PSr	Barren	7	"
9030 PSr	Barren	6	"
9031 PSr	Barren	7	"
9032 PSr	Barren	7	"
9033 PFSr	Barren	7	"
9034 PFSr	Barren	7	"
9040 PFSr	Barren	6	"
9041 PSr	Mesozoic, indeterminate	5	Mixed
9042 PSr	Essentially Barren	5	Amorphous
9043 PSr	Essentially Barren	5	Mixed
9044 PSr	Essentially Barren	5	Amorphous
9045 PSr	Essentially Barren	5	Mixed
9046 PSr	U. Triassic	5	Structured
9047 PSr	Essentially Barren	5	Amorphous
9048 PSr	U. Triassic	5	Mixed
9050 PSr	U. Triassic	5	Structured
9051 PSr	U. Triassic	5	"
9052 PSr	U. Triassic	5	"
9053 PSr	U. Triassic	5	"
9054 PSr	U. Triassic	5	Amorphous
9084 LP	Barren, Recent con- tamination	6	Structured
9086 PL	Barren, Recent con- tamination	7	"

In addition to the samples processed for palynology, nine samples containing plant megafossils were submitted for identification and possible age determination.

- 8222 - Plant fragments which were not identifiable.
- 8250 - Carbonaceous plant fragment which were not identifiable.
- 8329 - Contained rootlets and cordaitan type leaf fragments.
Paleozoic age.
- 8330 - Plant fragments which were not identifiable.
- 8345 - Contained cordaitan leaf fragments.
Paleozoic age.
- 8405 - Cordaites? leaf fragments. Paleozoic age.
- 8409 - Contained abundant Upper Tertiary angiosperm leaves.
Probable Miocene age.
- 8620 - Plant fragments which were not identifiable.
- 8805 - Altered wood fragments, unidentifiable.

Donald W. Engelhardt
Donald W. Engelhardt

DWE:mla

cc: A. B. Shaw



Amoco Production Company

Security Life Building
Denver, Colorado 80202

January 10, 1973

Re: Micropaleontology of
1972 North Slope of Alaska
Surface Samples - Lloyd
Furer collections

Mr. Terry Cooper
BUILDING

Attention: Lloyd Furer



The following samples from the Ft. Yukon Basin area have been examined and are interpreted as follows:

<u>Sample No.</u>	<u>Location</u>	<u>Interpretation</u>
FCH-798	35 - 15N-22E	Barren
FCH-801	23 - 17N-21E	Barren
8203	67°35'N-145°08'W	Barren
8232	22 - 9S-22E	Barren
8342	1 - 9N-19E	Barren
8360	36 - 11N-27E	Rare forams-age indeterminate
8361	32 - 15N-26E	Barren
8362	32 - 15N-26E	Barren
8363	32 - 15N-26E	Barren
8367	6 - 20N-24E	Barren

Sav. River Section - Sec. 21, 87 - 19E

<u>Sample No.</u>	<u>Interpretation</u>
8229	Barren
8230	Barren

John Herbert Village Section - Sec. 15, 25N - 21E

<u>Sample No.</u>	<u>Interpretation</u>
8791	Barren
8792	Barren
8793	Barren
8794	Barren

Keenan Quartzite Section - Sec. 25 and 26, 6N-27E

<u>Sample No.</u>	<u>Interpretation</u>
9033	Barren
9034	Barren
9040	Barren
9041	Barren

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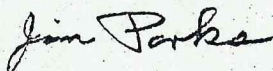
Triassic Oil Section - Sec. 7, 4N - 30E

<u>Sample No.</u>	<u>Interpretation</u>
9042	Indeterminate - Long Ranging <u>Dentalina</u> sp.
9043	Barren
9044	Barren
9045	Indeterminate - Rare Radiolaria
9046	Indeterminate - Non-Diagnostic Arenaceous Forams
9047	Upper Triassic
9048	Upper Triassic - <u>Astacolus connudatus</u> zone
9049	" " " " "
9050	" " " " "
9051	" " " " "
9052	" " " " "
9053	" " " " "

Biederman Bluff Section - Sec. 32, 7N - 23E

<u>Sample No.</u>	<u>Interpretation</u>
9025	Barren
9026	Barren
9027	Barren
9028	Barren
9029	Barren
9030	Barren
9031	Barren
9032	Barren

Sincerely,



Jim Parks

cc - A.B. Shaw