FIGURE F-4

HIGH RESOLUTION PALYNOMORPH DISTRIBUTION CHART

MICROPALEO CONSULTANTS

WELL NAME	:MOBIL (GP) GREAT BASINS NO.1	API NUMBER	:50-285-10007	KELLY BUSHING	:231 FEET
PROJECT	:NAS BASIN BIOSTRATIGRAPHY PROJECT	LOCATION	:SEC. 2, T27S/R48W SM	BASIN	:NORTH ALEUTIAN
PALYNOLOGIST	:MICHAEL B. MICKEY	TOTAL DEPTH	:11,080 FEET	STATE	:ALASKA
					PROJECT :25-104

RELATIVE ABUNDANCE KEY

.	:	NOT PRESENT
—	: 1 TO 1	VERY RARE
□	: 2 TO 5	RARE
▤	: 6 TO 15	FREQUENT
■	: 16 TO 30	COMMON
■	: 31 TO 300	ABUNDANT
■	: 301 TO 3000	PROLIFIC

* : All Specimens Reported.
** : Some Specimens Reported.

SPECIES LOCATION INDEX

[20] ?Paraalnipollenites confusus
[13] ?Pugaepollis fragilis
[8] Alnipollenites spp.
[10] Betulaceae
[19] Boisduvalia sp.
[22] Caryapollenites sp. (large)
[24] Cicatricosisporites sp
[9] Deltoidospora spp.
[34] Ericaceae
[21] Fagupollenites spp.
[25] Gonyaulacysta cladophora *
[26] Gonyaulacysta jurassica *
[23] Graminae
[11] Juglanpollenites sp.
[4] Laevigatosporites spp.
[30] Lejeunecysta cf. L. paratenella
[32] Lejeunecysta hyalina / fallax
[38] Lejeunecysta spp. (spiny)
[18] Liquidambarpollenites sp.
[17] Lycopodium sp.
[3] Lycopodiumsporites spp.
[40] Microforam test-lining
[33] Operculodinium centrocarpum
[6] Osmundacidites spp.
[35] Paratetracalla indentata
[14] Polypodiaceae (coarse)
[15] Pterocaryapollenites sp.
[28] Selenopemphix spp. PC
[29] Selenopemphix spp.
[31] Spiniferites cf. L. paratenella
[36] Spiniferites ramosus
[39] Spiniferites sp.
[12] Taxodiaceae
[5] Tiliapollenites sp.
[7] Tsugapollenites spp.
[37] Tuberculodinium vancampoae
[16] Ulmipollenites sp.
[2] Undifferentiated bisaccates
[28] Xandarodinium variable

SPORE - POLLEN | MICROPLANKTON | MISC.

SPORE-POLLEN DIVERSITY (FILLED) 0 5 10 15 20 25
MICROPLANKTON DIVERSITY (FILLED) 0 5 10 15 20

TOTAL SPORE-POLLEN 0 10 100 1000 2000
TOTAL MICROPLANKTON 0 10 100 1000 2000

[1] Deltoidospora spp.
[2] Undifferentiated bisaccates
[3] Lycopodiumsporites spp.
[4] Laevigatosporites spp.
[5] Tiliapollenites spp.
[6] Spahgnumsporites spp.
[7] Tsugapollenites spp.
[8] Alnipollenites spp.
[9] Osmundacidites spp.
[10] Betulaceae
[11] Juglanpollenites spp.
[12] Taxodiaceae
[13] ?Pugaepollis fragilis
[14] Polypodiaceae (coarse)
[15] Pterocaryapollenites sp.
[16] Ulmipollenites sp.
[17] Lycopodium sp.
[18] Liquidambarpollenites sp.
[19] Boisduvalia sp.
[20] ?Paraalnipollenites confusus
[21] Fagupollenites sp.
[22] Caryapollenites sp. (large)
[23] Graminae
[24] Cicatricosisporites sp.
[25] Gonyaulacysta cladophora *
[26] Gonyaulacysta jurassica *
[27] Systematophora grossa *
[28] Selenopemphix sp. PC
[29] Selenopemphix sp.
[30] Lejeunecysta cf. L. paratenella
[31] Spiniferites cf. L. paratenella
[32] Lejeunecysta hyalina / fallax
[33] Operculodinium centrocarpum
[34] Desmidiaceae
[35] Paratetracalla indentata
[36] Spiniferites ramosus
[37] Tuberculodinium vancampoae
[38] Lejeunecysta spp. (spiny)
[39] Spiniferites sp.
[40] Microforam test-lining

PERIOD/EPOCH	AGE/ZONE	SAMPLE DEPTH (FEET)
TERTIARY	PLEISTOCENE	20-110 … 1950-2040
	LATE MIOCENE TO PLIOCENE	2040-2130 … 7000-7090
	MIDDLE? MIOCENE	7090-7180 … 9700-9790
	OLIGOCENE? TO MIOCENE	9790-9880 … 11030-11080

SAMPLE DEPTH (FEET) 20-110 … 11030-11080