Amoco Production Company

Surface Log

Name: McGinty Point Section
Port Moller Alaska
Bowser Bay DMSO 545 76W
I. Smirnov, G. Brown, D. Williams June 77
Stepovak Fm.
This section exactly at the place Burk' section #11

LOCATION: 55°29'N 160°58'W
I. Smirnov June 29/77

Legend:
Ts Poor
Gs Good
Es Excellent
Mts Modrate Stt.
Ps Poor
Fs Fair
Gs Good
Pollen
Acro.
None
NS Non Source

Unit 9

Top of section – sea cliff 0.4 mile to the north of McGinty Pt.

Covered interval: siltstones, shales and ss as below.

Interbedded: siltstones, brown-gray, micaceous, carbonaceous with calcareous concretions; argillaceous shale dark, micaceous, pyritic; occasional ss, green-gray, f-mg, moderately sorted, massive, carbonaceous, volcanic and lithic clasts; occasional ~~[illegible]~~ bentonite up to 1" thick. Common plant fragments.

AP 3101 PS
AP 3100 PS
AP 3099 PS
AP 3098 PS
AP 3097 PS
AP 3095 SR 3096 PS
AP 3094 PS
AP 3093 PS
AP 3092 PS
AP 3091 PS
Unit 8
AP 3090 SR 3089 PS
G-gas-Pyrogeneration 1.4%
F-gas-Pre-gen .1%
GOOD MODERATE

Interbedded: ss, siltstones as below with several argillaceous shale and occasional thin conglomerates layers

Symmetrica ripple marks. Strike N15E

AP 3088 PS
AP 3087 PS
Unit 7
AP 3086 PS

Thin-bedded: ss, gray, m-fg, moderately sorted, lithic and volcanic clasts, tuffed and massive up to 10' with occasional thin conglomerates, composed by volcanic clasts. There are ripple-marks, orient. N 50 E; siltstones, gray-green, massive. Common plant fragments.

AP 3085 PS NO
AP 3084 PS/PS Tro-
Unit 6

Bombstones with clasts up to 2-3', composed of volcanic and pelagic rocks. Interbedded ss, siltstones and argillaceous shale as below

AP 3082 PS NS-3%

Conglomerate, conglomeratic ss – gray, f-mg, sorted, angular, massive, with to 5% of marine fossils.

Unit 5
AP 3081 PS NS-1%
AP 3080 PS NO

Interbedded siltstones and argillaceous shale with occasional intervals ss and conglomerates up to 3' thick, as below.

AP 3078 PS NO-G
AP 3077 PP
3.1%
0.13 NO

Ss, gray, m-fg, poorly sorted, angular, with lithic and carbon. of volcanic rocks. Lots of marine fossils.

Unit 4
AP 3076 SR 3075 PS NO
AP 3074 PS NO
AP 6001 F
AP 3073 SR 3072 PS NO
AP 3071 PS NO
AP 3070 SR 3069 PS NO
P-gas-pre-generation .1%
(See samples 67-68 below)

siltstones and argillaceous shale as below up to 6' thick with thin volcanic ss – dark, m-f, poorly sorted with gravels, clasts and marine fossils.

(NOT SHOWN BELOW)

Unit 3
AP 3072 PP
AP 3068 PS M
0.2%
0.04%

Interbedded siltstones and argillaceous shale with calcareous concretions as below

AP 3067 PP
14.9%
0.08% NO

Ss, gray, m-fg, poorly sorted, angular, massive, calcareous. A lot of concretions of calcareous ss and marine fossils. Lots of calcareous

AP 3066 SR 3065 PS M
AP 3064 SR NS-2%
AP 3063 PS M

ss as below, up to 10' thick with marine fossils, volcanic ss – dark, c-fg, poorly graded, thin ones up to 2'

AP 3062 PS M
AP 3061 PS M
AP 3060 SR NS-2%

argillaceous shale, gray, weathered

AP 3059 PS M

Unit 2

Siltstones gray with numerous calcareous ss concretions; interbedded to 8' thick ss c-fg, poorly sorted, massive at the base, fine fg, poorly graded, contains ~~[illegible]~~ volcanic clasts; ss is gray, poorly sorted, of mafic volcanic clasts and volcanic clasts, carbonaceous, up to 4' thick.

AP 3058 PS M
AP 3057 PP
AP 3056 PS
AP 3055 PS
AP 3054 PS
AP 3053 PS
AP 3052 PS
AP 3051 PS
AP 3050 PS M
AP 3049 PS
AP 3048 PS
AP 3047 PS
AP 3046 PS
AP 3045 PS
AP 3044 PS
AP 3043 PS
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AP 2994 PS
AP 2993 PS
AP 2992 PS
AP 2991 PS
AP 2990 PS
AP 2989 PS
AP 2988 PS
AP 2987 PS
AP 2986 PS
AP 2985 PS
AP 2984 PS
AP 2983 PS
AP 2982 PS
AP 2981 PS
AP 2980 PS
AP 2979 PS
AP 2978 PS
AP 2977 PS

Covered interval, probably the same rocks as below and above.

AP 3012 SR 3013 PS NO
AP 3011 PS NO

Approximately at this level collected samples from outcrop at the distance 1 mile to NW. Argillaceous shale

AP 3015 SR
AP 3014 PS NO

Unit 1

Mainly siltstones and argillaceous shale as above with occasional intervals of ss up to 3' thick, carbonaceous.

Andesite? seal

Base of section at the sea cliff