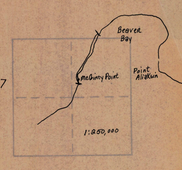
Amoco Production Company

Surface Log

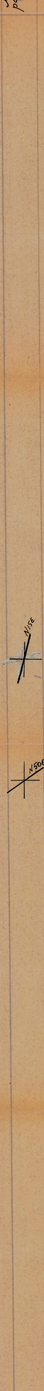
Name: McGinty Point Section
Area or Quad: Port Moller, State: Alaska
Location: Beaver Bay, Sec. 17 T 30 S R 56 W 76W
Measured by: L. Smirnov & Brown, U.S. Williams, Date: June 77
Interval: Stepovak Fm.
Remarks: This section exactly at the place Burk' section #11



Location: 55° 29' N 160° 58' W
Plotted by: L. Smirnov, Date: June 29/77

Main paleocurrent trend

Feeders | Species | Roof in ft. | Number | Last Chance | Cores | Shows | Depth | Primary | Porosity | Samples



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] and bentonite up to 8" thick. Common plant fragments.

720' AP 3101 Pf
510' AP 3100 Pf
620' AP 3099 Pf
650' AP 3098 Pf
630' AP 3097 Pf
760' AP 3096 SR, 3097 Pf
808' AP 3094 Pf
830' AP 3093 Pf
860' AP 3032 Pf
935' AP 3091 Pf

Unit 8
960' AP 3090 SR, 3089 Pf

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

Symmetrical ripple marks. Strike N15E

1110' AP 3088 Pf
AP 3087 Pf

Unit 7
1185' AP 3086 Pf

Thin-bedded: ss, gray, m-fg, moderately sorted, lithic and volcanic clasts, bedded and massive up to 40' with occasional thin conglomerates composed by volcanic clasts, shale and pebble-marks, oriented N 50 E; siltstones, gray-green, massive. Common plant fragments.

1215' AP 3085 Pf
1240' AP 3084 Pf
1260' AP 3083 Pf
1290' AP 3082 Pf
1310' AP 3081 Pf
1340' AP 3080 Pf
1370' AP 3079 Pf

Unit 6
1400' AP 3078 Pf

Bentonitic stone with clasts up to 2-3; composed by volcanic and plutonic rocks. Interbedded: ss, siltstones, and argillaceous shale as below

Conglomeratic conglomeratic ss - gray, poorly sorted, angular, massive, with a lot of marine fossils.

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

1525' AP 3077 PP

Ss, grog, m-fg, poorly sorted, angular with pebbles and cavities of volcanic rocks, volcanic ss - dark, c-fg, poorly sorted, with gravels clasts and marine fossils.

1640' AP 3076 SR, 3075 Pf
1705' AP 3074 Pf
AP 6001 F
1745' AP 3073 SR, 3072 Pf
1785' AP 3071 Pf
1830' AP 3070 SR, 3069 Pf
1850' AP 3068 Pf

Unit 5

Siltstones and argillaceous shales as below up to 6' thick with thin volcanic ss - dark, c-fg, poorly sorted with gravels clasts and marine fossils.

(See samples 67-68 below)

Unit 4
1890' AP 3062 PP, AP 3061 Pf
1920' AP 3060 SR, AP 3059 Pf
1955' AP 3058 Pf

Interbedded: siltstones and argillaceous shale with calcareous concretions as below, 50 cm below, up to 10' thick with marine fossils; volcanic ss - dark, c-fg, poorly graded, thickness up to 2'.

2015' AP 3056 Pf & AP 3057 PP

Ss, gray, m-fg, poorly sorted, angular, massive carbonaceous. A lot of coaly layers of carbonaceous ss and marine fossils.

2108' AP 3055 SR, AP 3054 Pf
2110' AP 3053 Pf

Argillaceous shale, gray, weathered

Unit 2

Siltstones - gray with numerous calcareous ss concretions, interbedded by 1' thick coal-like layers, and medium-fat thin bedded fine grained ash, massive with [illegible] shale. Ss - gray, m-fg, poorly sorted, massive with lithic and volcanic clasts, carbonaceous, up to 4' thick.

2140' AP 3052 SR, AP 3051 Pf
2170' AP 3050 Pf, AP 3049 SR, AP 3048 SR
2200

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

2510' AP 3062 SR, 3047 Pf

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

2610' AP 3061 Pf
2670' AP 3045 SR, AP 3046 Pf

Unit 1
2850' AP 3044 Pf

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

Andesite? seal

Base of section at the sea cliff