Amoco Production Company

Surface Log

Name Seaweed Cove

AREA OR QUAD Cold Bay Quad STATE Alaska

LOCATION Belkofski Bay 15,21 58S RNG 85W

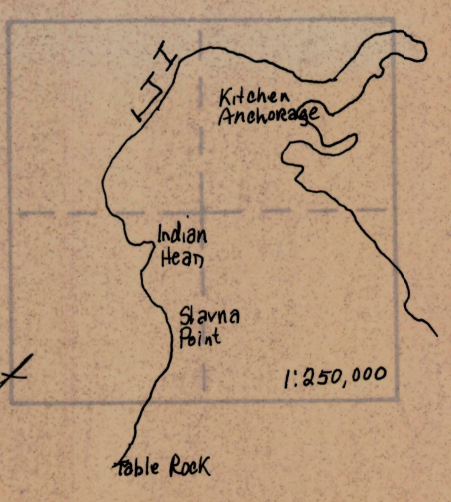
MEASURED BY Smirnov, Pierce, Williams, Brown DATE June 77

INTERVAL Belkofski

REMARKS This section represents central part of Belkofski anticline. Composed: Upper part elevation 1055-165, sec. 15. Lower part, elevation 765-0, sec. 21

LOCATION 55° 07' N 162° 11' W

PLOTTED BY L. Smirnov DATE June 77



PERIODS | EPOCHS | GROUP or FM. | MEMBER | FOSSILS | CORES | SHOWS | DEPTH | LITHOLOGY | POROSITY | SAMPLES | DESCRIPTION

Altimeter elevation

1055 — Unit #1 — Breccia, green, composed of tuffs, organic clasts and rock fragments up to 5". Interbedded black organic slates.

990 — AP 3017 Pf

Ss, green, f-g, poorly sorted, argillaceous, numerious plant debris.

915 — AP 3018 PP

Conglomerate, green, tuffecious with igneous and lithic clasts.

870 — AP 3019 Pf — Ss as above

Conglomerate, volcanoclastic and lithic, clasts up to 1", tuffecious matrix.

Unit #2 — Ss, green, c-g, poorly sorted massive with conglomeratic interbeds. Vertical basic dike.

Unit #3 — Breccia, green, clasts up to 8", volcanoclastic matrix. Basic vertical dike.

810 — AP 3020 Pf — Interbedded black organic (coaly) slates and ss, gray, f-m-g, bedded. Numerious plant leaves.

840 — AP 3021 Pf

Conglomerate, pebble size, matrix-tuffecious sandstone.

Unit #4 — Breccia as at the Unit #1

Unit #5 — conglomerate, pebble size, clasts - basic rocks and ss, matrix - tuffecious ss.

Interbedded ss: green tuffecious, m-c-g, with organic material; gray, m-g, massive, lithic; and f-g, dark, argillicious, bioturbated.

645 — AP 3022 Pf

Unit #6 — 635 — AP 3023 PP — Ss, green-gray, c-g, massive. Clasts - lithic and feldspar fragments. Matrix - clastic and tuffecious material.

Unit #7

Interbedded: ss, vf-g, green-gray; massive, siltstones, green-gray, sorted, massive; and ss., green-gray, c-g, massive, lithic and feldspath clasts, tuffecious and clastic matrix.

405 — AP 3024 PP, 3025 PP, 3026 RP

Interbedded: ss, green-gray, fine to c-g, massive; and siltstones, containing organic material; single pebble-gravel size conglomerate, 3' thick.

270 — AP 3027 Pf

215 — AP 3028 Pf

Tertiary
Eocene - Oligocene ?
Belkofski Fm

Continuation of this section at another outcrop, to south 0,5 m (section 21)

Altimeter elevation 765 — Unit #1 — AP 3011 PP — Ss, grey-green, c-g, with pebblers sub-rounded, v. poorly sorted, massive, iron-stained. Matrix - liftic, tuffecious.

717 — AP 3012 Pf — Conglomerate, green, clast size up to 1", tuffecious matrix

Interbedded: ss, green, m-f g; and dark argillites

Ss, gray-green, c-g with pebbles, massive, lithic and tuffecious, matrix -

Conglomerate, green, gravel size, volcanic matrix.

Ss, green, m-c g, massive, volcanic matrix, interbedded with gravel size conglomerates

595 — AP 3013 PP — Unit #2 — Conglomerate, gray, pebble-cobble size, rounded, poorly sorted.

Interbedded: m-g, f-g, c-g ss., gray-green, massive

Interbedded: ss, gray-green, m-g; siltstones, dark, m-g, poorly sorted. Convolute bedding, dip SW

Ss, green, m-g, poorly sorted, massive, chloritic, clasts - lithic.

433 — AP 3014 PP, 3015 RP

Ss, gray-green, m-g, subungular, moderately sorted, carbonaceous, bedded with massiv structure. Clasts: feldspath - 40%, lithic - 30%, other - 30%. Basic vertical dike.

175 — AP 3016 PP

Ss, green, m-g, poorly sorted, volcanoclastic and lithic, massive.

Unit #3

60 — AP 3010 PP

20 — AP 3009 PP

0 — AP 3008 PP, AP 3007 PP

Ss, gray, c-g, poorly sorted with pebble, massive. There are cross-bedded units, thickness up to 7', paleocurrent direction to NW. Basic vertical dike.

! Lower part of the section just near sea level.