Amoco Production Company

Surface Log

Name BALANCED ROCK

AREA OR QUAD Cold Bay STATE Alaska

LOCATION NW¼ EW¼ Sec. 14 TWN 58S RNG 85W
SW¼ EW¼ 11 58S 85W

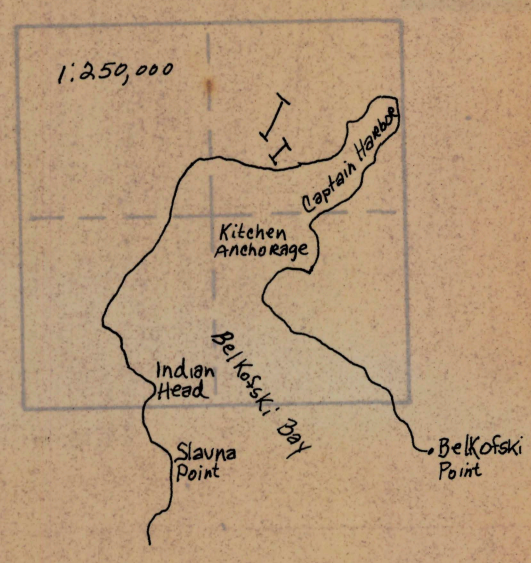
MEASURED BY BROWN, PIERCE, WILLIAMS, SMIRNOV DATE JUNE, 1977

INTERVAL Belkofski

REMARKS MEASURED down section, FROM the geographic top of the ridge down to the last visible out crop AT the surf. The lithology consists of horizontally bedded clastic EXS from siltstone to conglomerate, all of primary volcanic PROVENANCE.

LOCATION 55° 08' N 162° 08' W

PLOTTED BY L.G BROWN DATE JUNE, 1977



PERIODS | EPOCHS | GROUP or FORMATION | MEMBER | AGES (Strap) | FOSSILS | CORES | SHOWS | DEPTH | LITHOLOGY | POROSITY | SAMPLES | DESCRIPTION

TERTIARY
Oligocene - Eocene ?
Belkofski

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Top of the Section
(last visible outcrop at the top of the ridge)

UNIT 1 — GREEN TUFFACEOUS MICRO BRECCIA with lithic clasts AND MEDIUM TO COARSE SANDSTONE. upsorted, VA

120' APS008 PP, APS009 RP, APS010 Pf — Light GREEN INTERBEDDED COARSE SANDSTONE, VOLCANIC BRECCIA, AND AGGLOMERATE. Thin LENS of FINE SANDSTONE AND CHARCOAL INTERBED. P-EP sorting, A-VA.

UNIT 2 — 180' - APS011 Pf

UNIT 3 — 260' APS012 Pf, APS013 SR — DARK GRAY, chloritic ARGILLITE

295' APS014 PP — GREEN tuffaceous BRECCIA AND ASH; GREEN fine TO COARSE SANDSTONE. GRADED bedding, lens of RED JASPER, POOR SORTING, A.

UNIT 4 — Light GRAY COARSE SANDSTONE, V POOR SORTING, A.

GREEN tuffaceous volcaniclastic WITH NUMEROUS CARBONACEOUS debris, MASSIVE with OCCASIONAL thin SAND + SHALE INTERBEDS

490' - APS015A — CARBONACEOUS shale INTERBEDDED with COARSE SANDSTONE

UNIT 5 — MASSIVE GREEN VOLCANIC BRECCIA, V POOR SORTING, A

595' - APS016PP, APS017RP

UNIT 6 — TAN COARSE SANDSTONE, MASSIVE, Mod SORTING, SA MASSIVE STRUCTURE

UNIT 7 — VOLCANIC dark GREEN VERY COARSE SANDSTONE, CONGLOMERATIC LENS AND CARBONACEOUS INCLUSIONS

870' - APS018PP, APS019RP — INTERBEDDED TAN PEBBLE CONGLOMERATE AND COARSE SANDSTONE

UNIT 8 — TAN MEDIUM TO COARSE LAMINATED SANDSTONE, MOD-P SORTING, SR

UNIT 9 — VOLCANIC COBBLE-PEBBLE CONGLOMERATE, VP SORTING, SR-A

UNIT 10 — VOLCANIC GREEN GRANULAR SANDSTONE, VP SORTING, A.

1020' - APS007Pf — GRAY-GREEN thinly LAMINATED siltstone WITH CARBONACEOUS INCLUSIONS. HACKLY FRACTURE N13E; 18NW

1090' - APS006SR, APS005Pf — GREEN MEDIUM-COARSE SANDSTONE, POORLY SORTED, A. DARK silty MUDSTONE, HACKLEY STRUCTURE

UNIT 11 — Light GREEN COARSE SANDSTONE, included LENSES of PEBBLE CONGLOMERATE AND CARBONACEOUS DEBRIS EX POOR SORTING, VA, CIRCULAR IRON STAINS

1205' - APS004PP

UNIT 12 — GREENISH-TAN VOLCANIC CONGLOMERATIC COARSE SANDSTONE UP SORTING, SA-SR, UPWARD GRADING MED ss TO PEBBLE

1290' - APS003RP, APS002PP

UNIT 13 — 1320' - APS001RP TAN FINE SANDSTONE, CROSS BEDDED, M-P SORTED, SA, SLIGHTLY CARBONACEOUS, SUB-PARALLEL LAMINATIONS.

1325' - APS000AP

Base of the Section
(Lowest exposure visible at sea level)