BALANCED ROCK

Recovery
- Pollen Rec.
- Dinos. Rec.
- No. Recovery
NS = Non-Source

Amoco Production Company

Surface Log

Name Balanced Rock

AREA OR QUAD Cold Bay STATE Alaska

LOCATION N½ E½ S½ E½ Sec. 14 11 TWN 58S 58S RNG 85W 85W

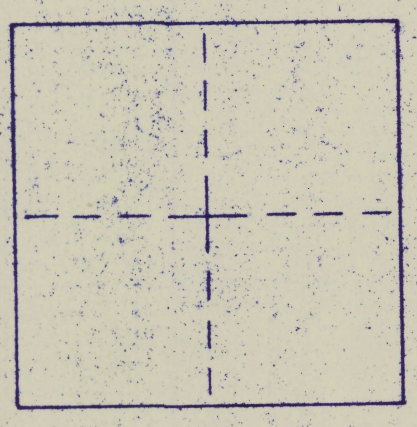
MEASURED BY Brown, Pierce, Williams, Smienov DATE June, 1977

INTERVAL Belkofski

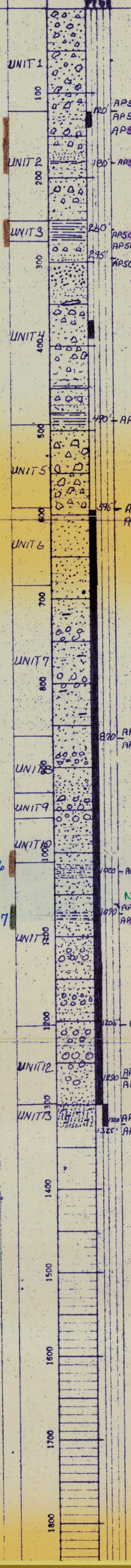
REMARKS Measured down section, from the geographic top of the ridge down to the last visible out crop at the surf. The lithology consists of horizontally bedded clastic rks from siltstone to conglomerate, all of primary volcanic provenance.

LOCATION 55° 08' N 162° 08' W

PLOTTED BY L.G. Brown DATE June, 1977



PERIODS	EPOCHS	GROUP or FM.	MEMBER	AGES (Stages)	FOSSILS	CORES	SHOWS	DEPTH	LITHOLOGY	POROSITY PTGL	SAMPLES	DESCRIPTION
TERTIARY	Oligocene - Eocene ?	Belkofski										



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

Green tuffaceous micro breccia with lithic clasts and medium to coarse sandstone. upsorted, VA

8.6% .05 MD

120' APS5008 PP, APS5009 RP, APS5010 Ps

Light green interbedded coarse sandstone, volcanic breccia, and agglomerate. Thin lens of fine sandstone and charcoal interbed. p-ep sorting, A-VA.

180' APS5011 Ps

260' APS5012 Ps, APS5013 SR

Dark gray, chloritic argillite

NS - <.1%

Green tuffaceous breccia and ash

295' APS5014 PP

1.4% <.05 MD

Green fine to coarse sandstone, graded bedding, lens of red jasper, poor sorting, A.

Light gray coarse sandstone, v poor sorting, A.

Green tuffaceous volcaniclastic with numerous carbonaceous debris, massive with occasional thin sand + shale interbeds

490' APS5015A

Carbonaceous shale interbedded with coarse sandstone

Massive green volcanic breccia, v poor sorting, A

596' APS5016PP, APS5017RP

7.7% <.05 MD

Tan coarse sandstone, massive, mod sorting, SA
massive structure

Volcanic dark green very coarse sandstone, conglomeratic lens and carbonaceous inclusions

820' APS5018PP, APS5019RP

11.4% .85 MD

Interbedded tan pebble conglomerate and coarse sandstone

Tan medium to coarse laminated sandstone, mod-p sorting, SR

Volcanic cobble-pebble conglomerate, vp sorting, SR-A

Volcanic green granular sandstone, vp sorting, A.

1020' APS5007Ps

Gray-green thinly laminated siltstone with carbonaceous inclusions. hackly fracture N13E; 18NW

NS - .1%

1090' APS5006SR, APS5005 Ps

Green medium-coarse sandstone, poorly sorted, A.
Dark silty mudstone, hackley structure

Light green coarse sandstone, included lenses of pebble conglomerate and carbonaceous debris
ex poor sorting, VA, circular iron stains

1205' APS5004PP

9.0% .21 MD

Greenish-tan volcanic conglomeratic coarse sandstone
up sorting, SA-SR, upward grading med ss to pebble

1290' APS5003RP, APS5002PP

10.1% <.05 MD

1320' APS5001RP, 1325' APS5000AP

Tan fine sandstone, cross bedded, M-p sorted, SA, slightly carbonaceous, sub-parallel laminations.

11.6% 1.23

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