

Amoco Production Company Surface Log

Recovery
0 - No REC.
NS - Non-Source
P - Poor
G - Good
VG - Very Good

Name Ivanof Bay Section

AREA OR QUAD Stepanok Bay (0.5) 1433 STATE Alaska

LOCATION Kuparuk River Peninsula Sec. 31 T14N S15E R16E

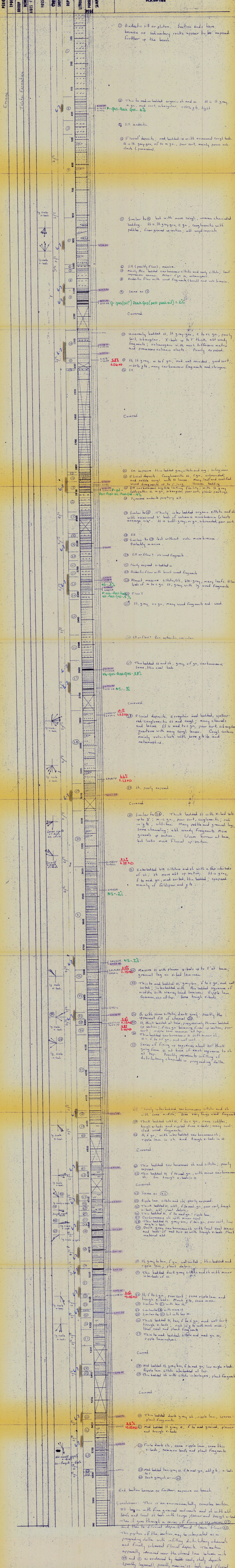
MEASURED BY Jim Connelly, L. S. Brown, R. Scott. DATE 21 July 1977

INTERVAL Tolstoi Fm.

REMARKS measured up section from point of Quaternary alluvium at head of Bay to mountains; igneous rocks at top of section. Measured on beach at east Ivanof Bay.

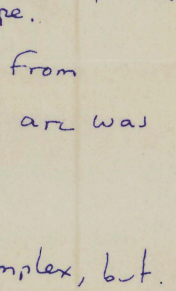
LOCATION 55° 52' N 158° 57' W

PLOTTED BY Wm. G. Smith, DATE 13 Aug 77



Paleocurrents:

1) Fluvial and/or coarse deltaic x-bed paleocurrent measurements of units (25) & (26) have a very wide spectrum of transport direction and do not lend to a simple interpretation. Determining an approximate mean transport direction for each of the 4 rose diagrams and plotting them on a separate diagram suggests the mean paleoslope was inclined to the NW. The mean transport directions for unit (5) are N-E's; adding these to the above summary diagram supports a NW paleoslope. Perhaps further computer analyses of this and additional data from near by coastal sections would indicate the Eocene volcanic arc was SE of Ivanof Bay...



2) Paleocurrent directions from units (32) to (46) are very complex, but two opposite paleocurrent trends prevailed.