ICELAND RESEARCH DRILLING PROJECT REYDARFJORDUR 1978

DETAILED CORE LOG

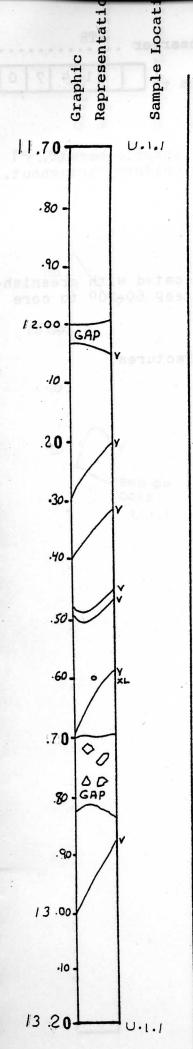
VOLUME I

Compiled and Edited by

the scientific staff at the Reydarfjordur Drill Site and by

the technical and secretarial staff of

the Department of Geology, Dalhousie University



Visual Core Description Observer

Box 1, Section 1

LITHOLOGY PETROGRAPHY
Light to medium grey, fine to medium grained, equigranular basalt. Aphyric, non vesicular. Maximum grain size 1mm.
Grain size is uniform throughout. Unit 1.1. no contacts

12.60 Small crystals clot of plagioclase and clinopyroxene.

VESICLES/AMYGDALES None observed.

in section.

FRACTURES - VEINS - BRECCIA

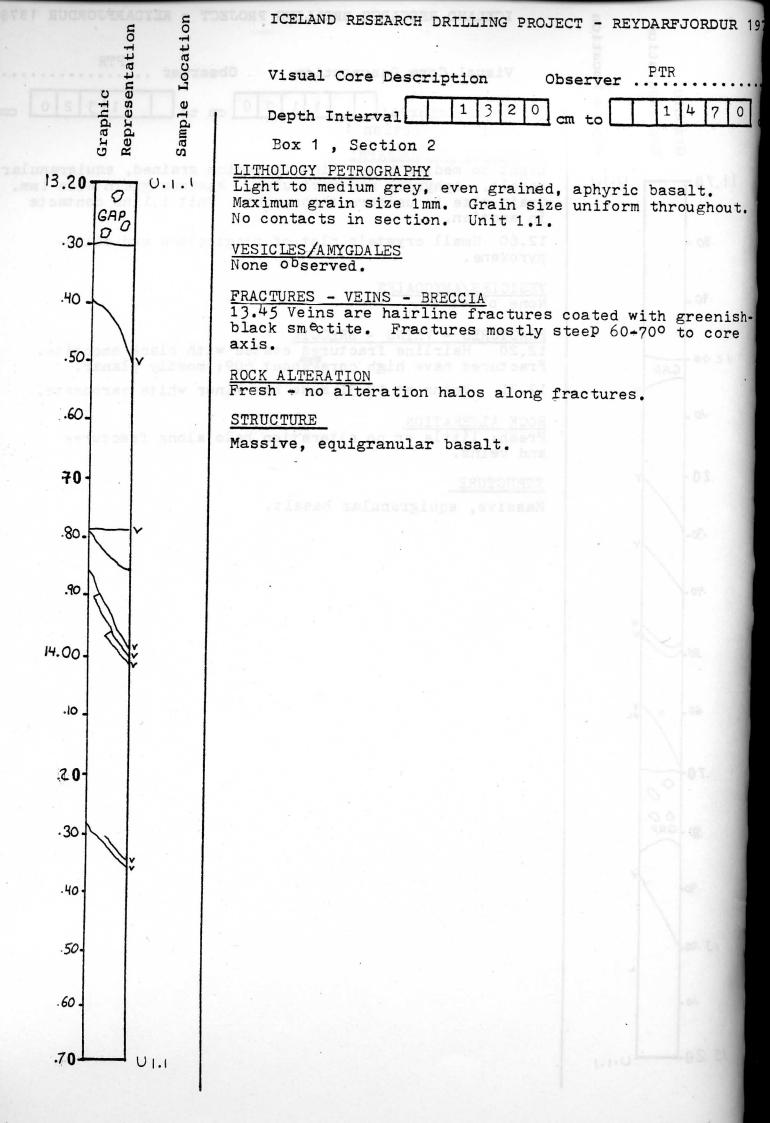
12.20 Hairline fractures coated with black smectite.
Fractures have high core about 60°; mostly planar.

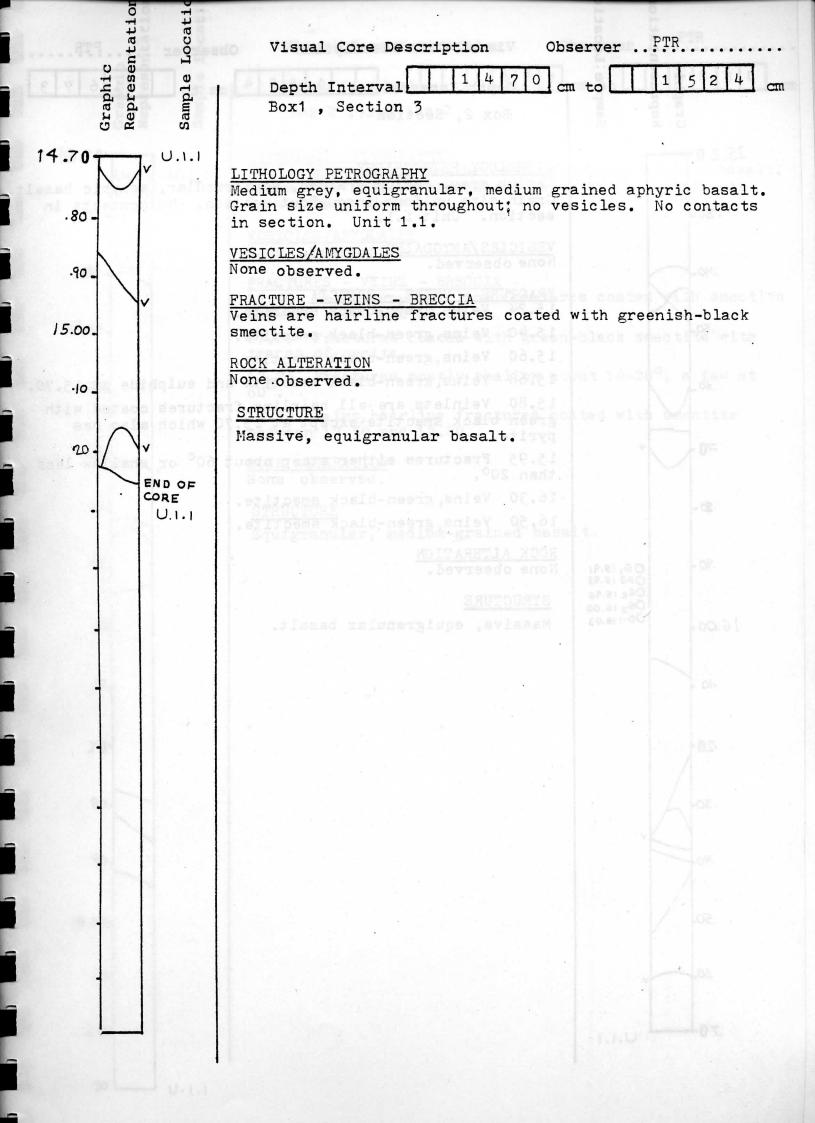
12.31 Veins at 12.31; also has minor white carbonate.

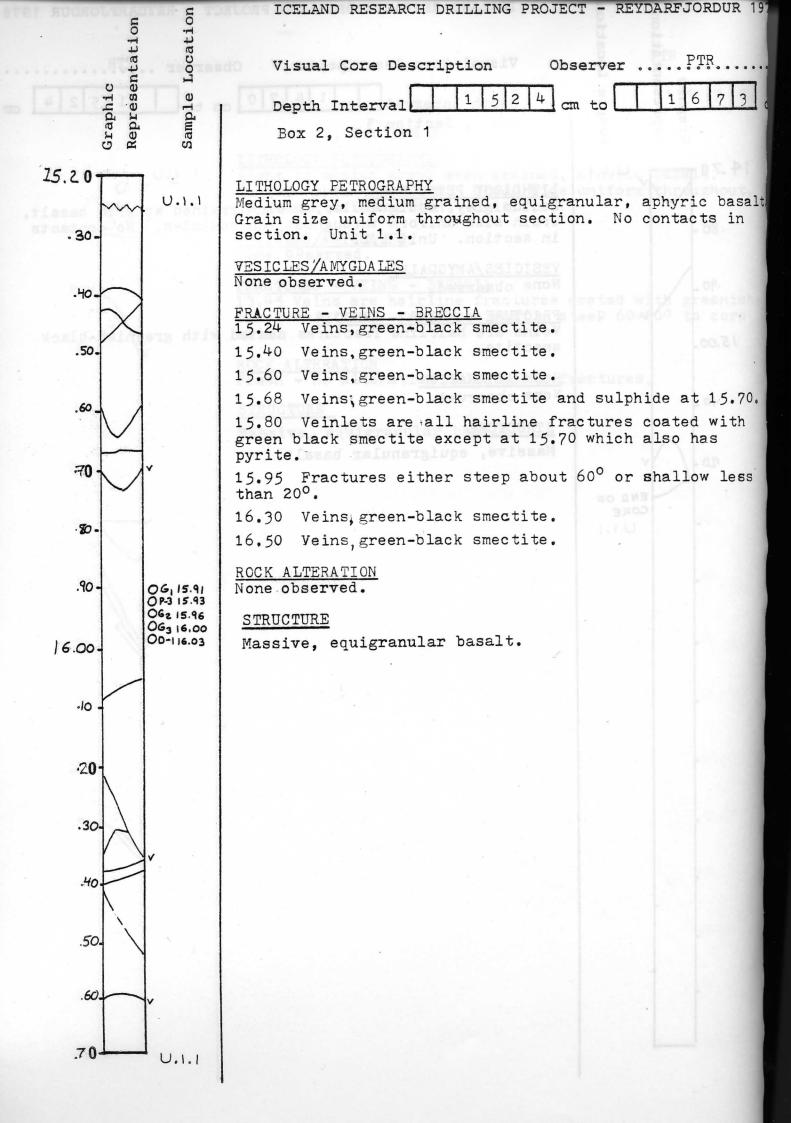
ROCK ALTERATION
Fresh: little or no alteration halo along fractures and veins.

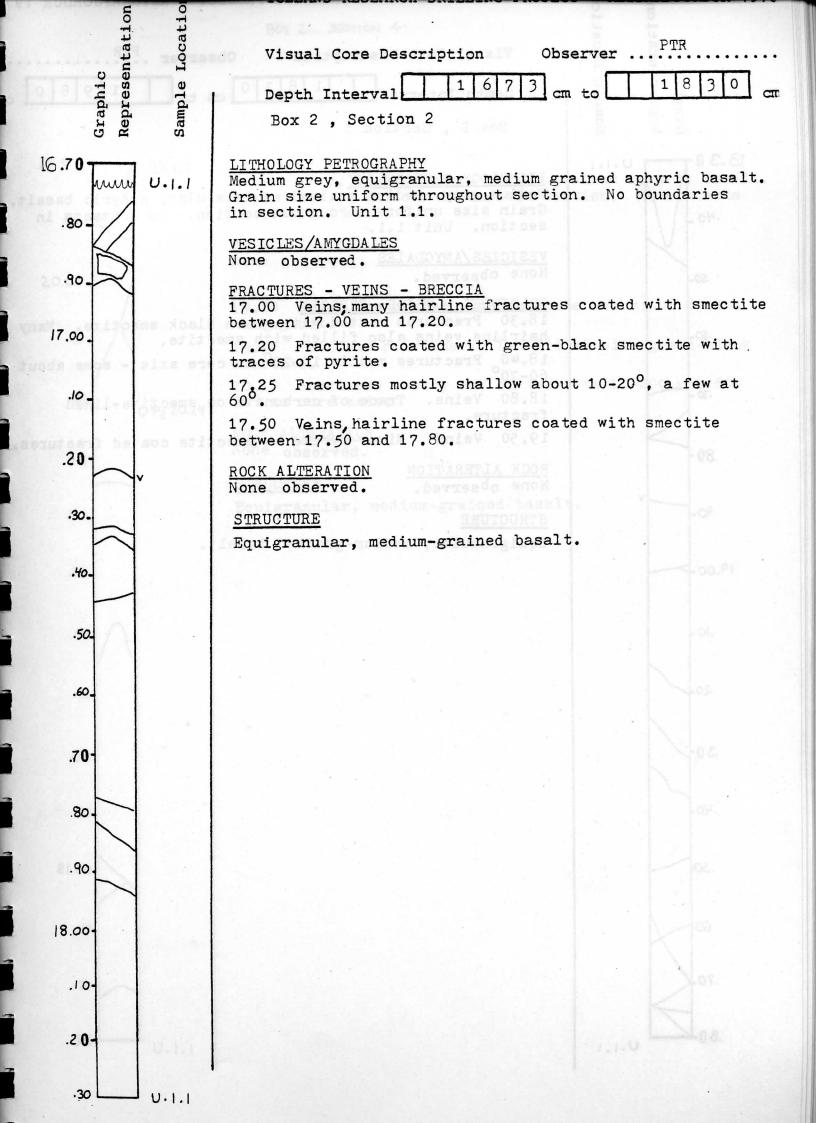
STRUCTURE

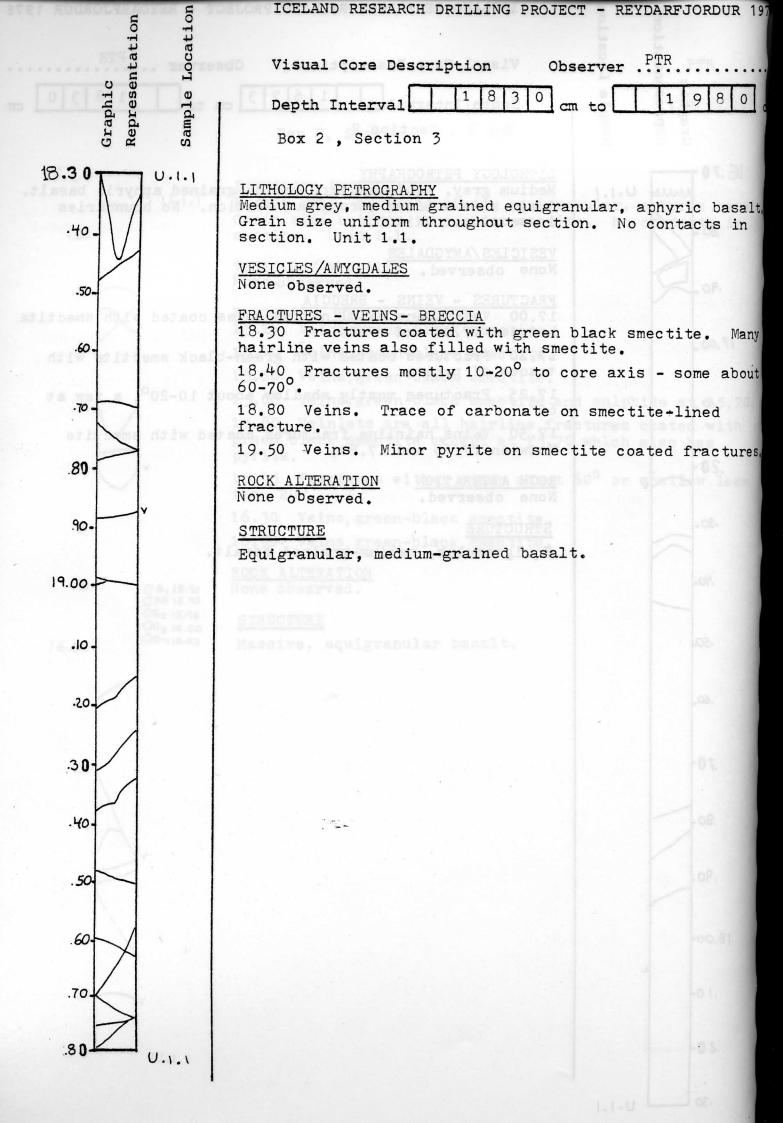
Massive, equigranular basalt.

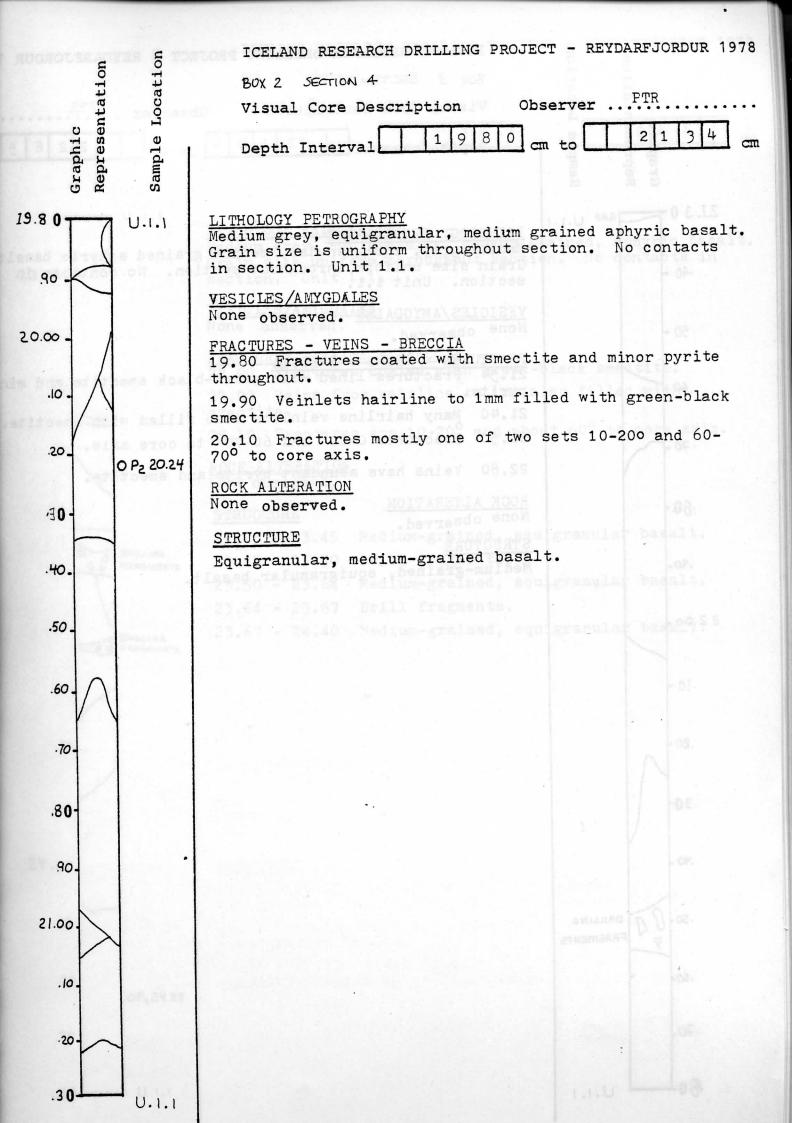


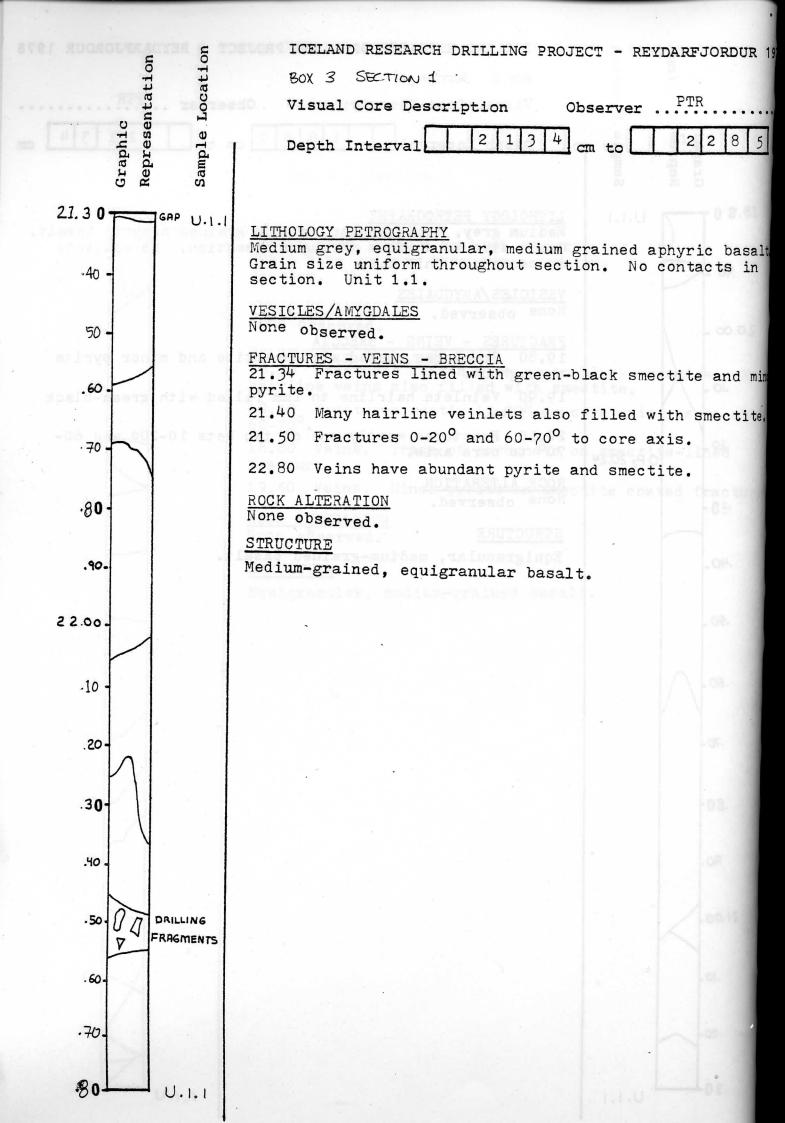


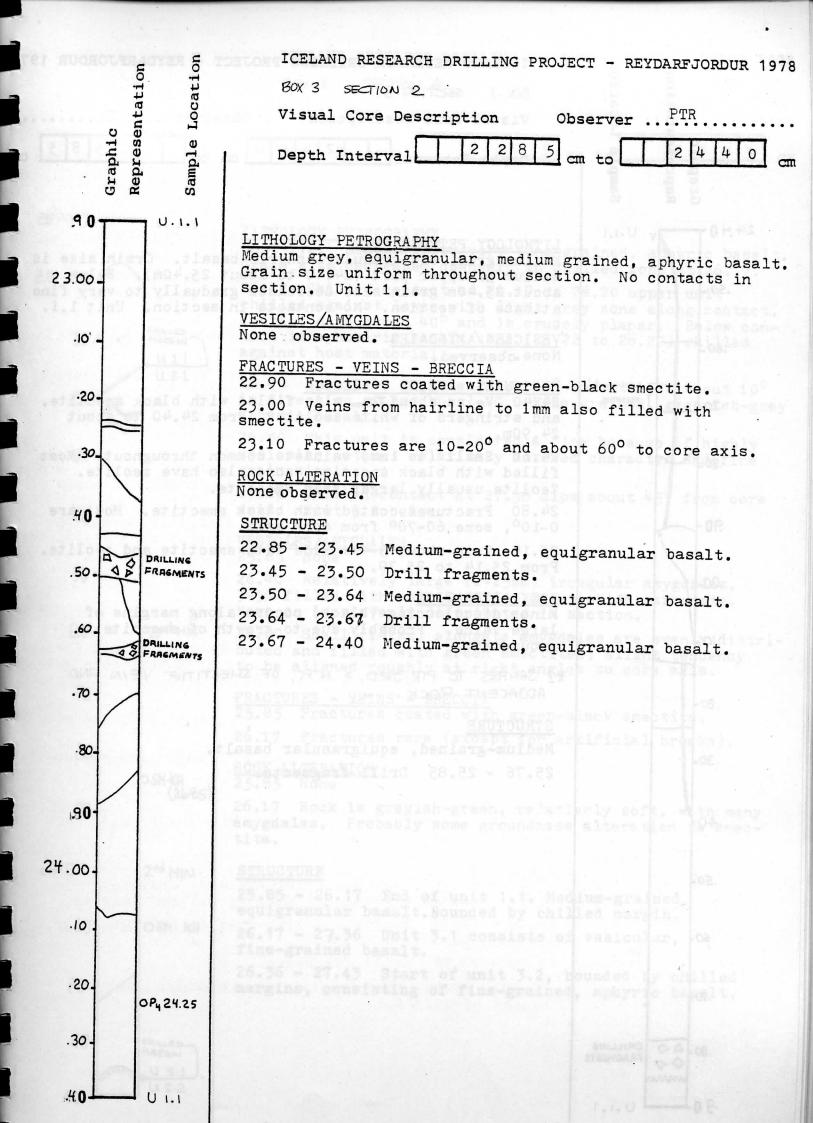


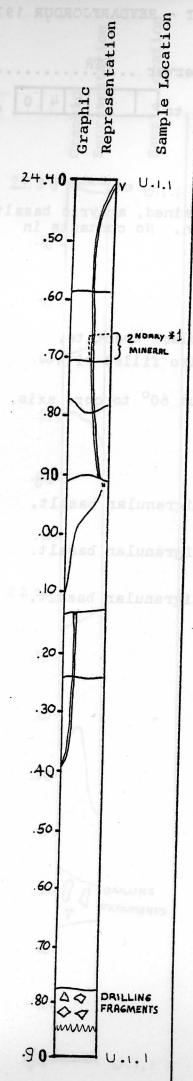












BOX 3 SECTION 3.

Visual Core Description Observer ...PTR ...

Depth Interval 2 4 4 0 cm to 2 5 8

LITHOLOGY PETROGRAPHY

Medium grey, equigranular aphyric basalt. Grain size medium in upper part (24.40 to about 25.40m). Below about 25.40m grain size decreases gradually to very fix at base of section. No contacts in section. Unit 1.1

VESICLES/AMYGDALES None observed.

FRACTURES - VEINS - BRECCIA
24.40 Veins about 7-8mm wide filled with black smectite, and stringers of white zeolite? From 24.40 to about 24.90m.

24.60 Small (to 1mm) veinlets common throughout. Most filled with black smectite, some also have zeolite. Zeolite usually larger than smectite.

24.80 Fractures coated with black smectite. Most are 0-10°, some 60-70° from core axis.

25.14 Vein about 3-4mm wide with smectite and zeolite. From 25.14 to 25.39.

ROCK ALTERATION

Minor discolouring (black) occurs along margins of large veins. Probably due to growth of smectite in groundmass.

*1 SAMPLES TO PTR, JRD, & H.K., OF SMECTITIE VEIN AND ADJACENT ROCK.

STRUCTURE

Medium-grained, equigranular basalt. 25.76 - 25.85 Drill fragments.

