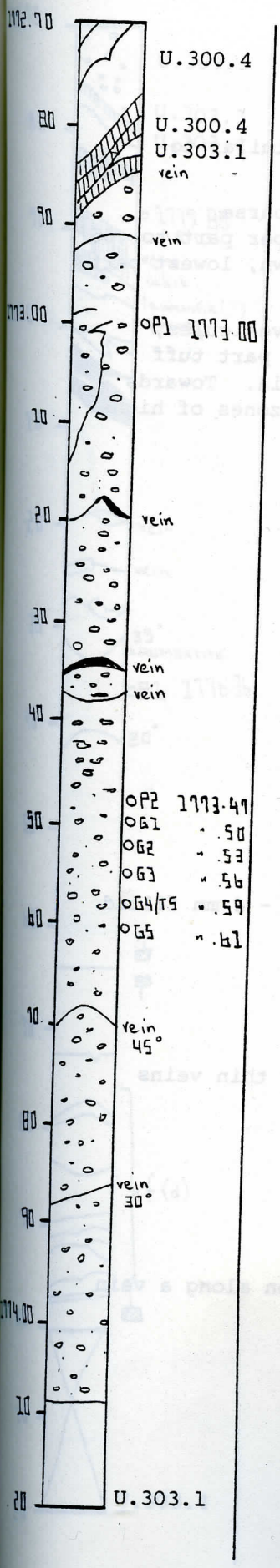
Visual Core Description Observer .....

Depth Interval 1772.66 cm to 1774.16 cm

Box 303, Section 1

Graphic Representation | Sample

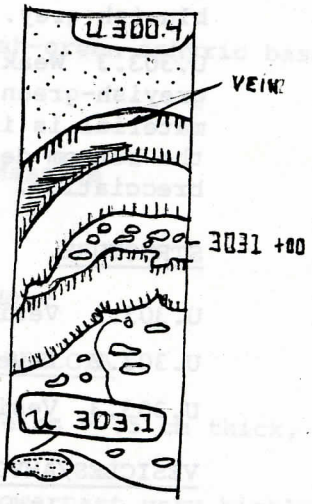


LITHOLOGY-PETROGRAPHY

Continues U.300.4

Gray-green, dike with chilled contact to flow (next unit).

U.303.1 Between dike and flow at least 2, probably 3 very thin, fine-grained dikes are injected; all with chilled contacts.



Grey-green, moderately vesicular, rather fine-grained basalt, uppermost part weakly brecciated (?). Downwards more homogeneous. Larger vesicles (1 vol.% Ø - 5 mm) mainly with calcite and epidote, smaller vesicles (2 vol. % Ø .1-2 mm) filled with chlorite.

STRUCTURE

U.300.4 Massive

VESICLES/AMYGDALES

U.300.4 None

U.303.1 Larger vesicles, angular. Smaller vesicles angular and spherical.

FRACTURES - VEINS - BRECCIA

U.300.4 No fractures.

U.303.1 Weakly fractured. Veins up to 5 mm filled with calcite, epidote, probably.

ROCK ALTERATION

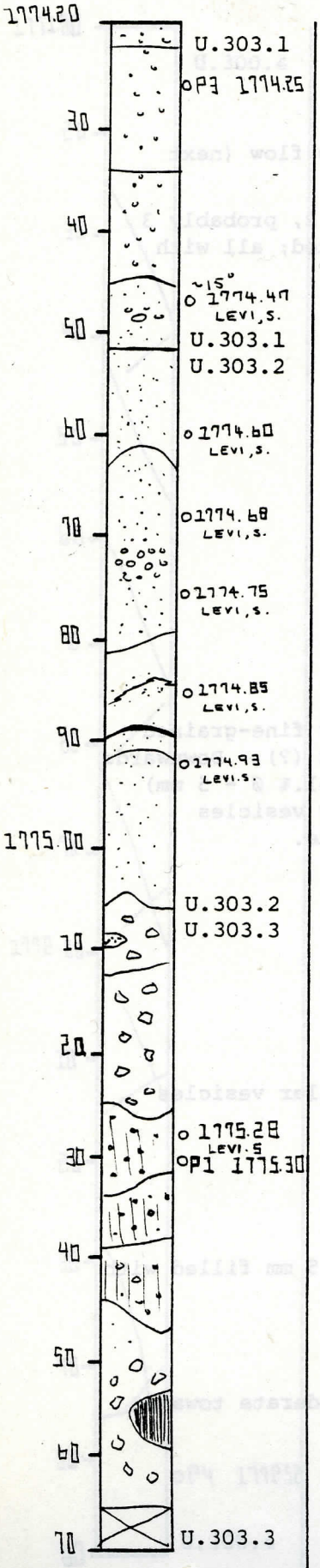
U.303.1 Highly moderated at the top, moderate towards the bottom of the section.

Graphic Representation | Sample

Visual Core Description Observer .....

Depth Interval 1774.16 cm to 1775.67 cm

Box 303, Section 2



LITHOLOGY-PETROGRAPHY

Continues U.303.1

Grey-green, vesicular aphyric basalt, similar to lower part of previous section.

U.303.2 Bedded vitric tuff with some coarse grained interlayers (lapilli size). Upper part to .65 greyish-green. Middle part reddish brown, lowest part blueish grey.

U.303.3 Weakly brecciated flow top of vesicules, greyish-green basalt. In the uppermost part tuff material is incorporated into the breccia. Towards the bottom decreasing brecciation with zones of higher brecciation.

STRUCTURE

U.303.1 Vesicular

U.303.2 Layered

U.303.3 Vesicular

VESICLES/AMYGDALES

U.303.1 Large (→ 3 mm) angular.

Calcite.

U.303.2 None

U.303.3 Vesicles - 2 cm common. 1 mm - 4 mm filled with chlorite.

FRACTURES - VEINS - BRECCIA

U.303.1 Weakly fractured. s.o.

U.303.2 One very sharp fracture, very thin veins (0.05 mm) filled with epidote (?).

ROCK ALTERATION

U.303.1 s.o.

U.303.2 ?

U.303.3 Moderately altered, alteration along a vein - 1775.20.

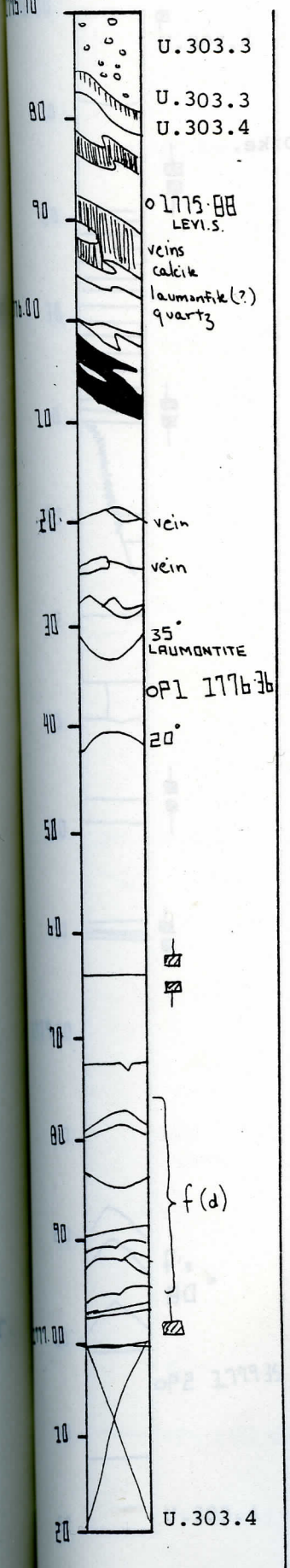
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 1 7 7 5 6 7 cm to 1 7 7 7 0 0 cm

Box 303, Section 3

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.3

Same as 303.3 previous section.

U.303.4 Several dike generations at the contact and in the uppermost part of the fine-grained dike (303.5). (multiple dike ?), but sometimes chilled contacts at both sides!

Fine grained, greyish-green aphyric basalt dike.

STRUCTURE

1776.10 - 1777.00 Massive

VESICLES/AMYGDALES

1776.10 - 1777.00 None

FRACTURES - VEINS - BRECCIA

1775.79 - 1776.10 Veins → .5 cm thick, older than the dikes.

1776.10 - 1777.00 Lowerpart very highly fractured (sub-horizontally) veins only in the upper part. Steeper fractures (45°) coated with clay.

ROCK ALTERATION

U.303.3 Moderate

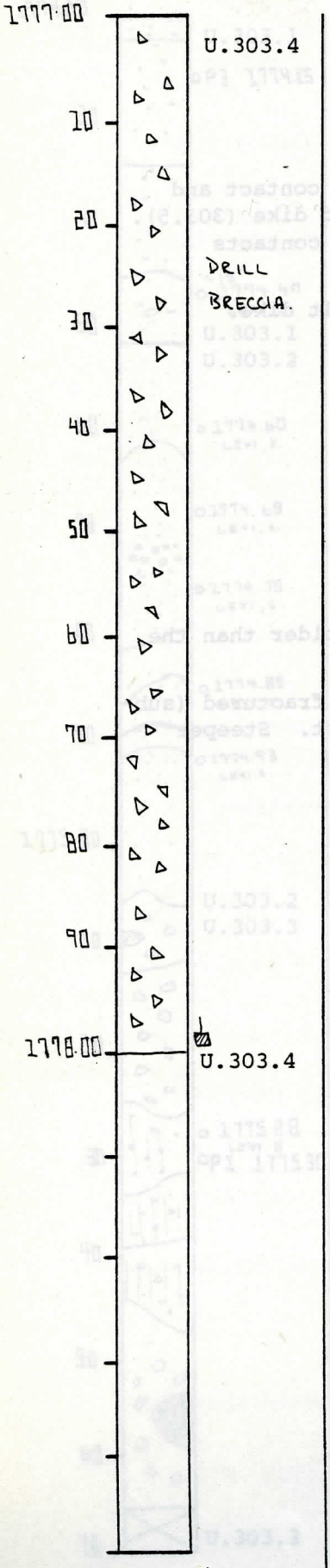
U.303.4 (1776.10-1777.00) Low.

Visual Core Description Observer .....

Depth Interval 1770.00 cm to 1779.95 cm

Box 303, Section 4

Graphic Representation | Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.4

Identical to lowerpart section above. Dike.

STRUCTURE

As above.

VESICLES/AMYGDALES

As above.

FRACTURES - VEINS - BRECCIA

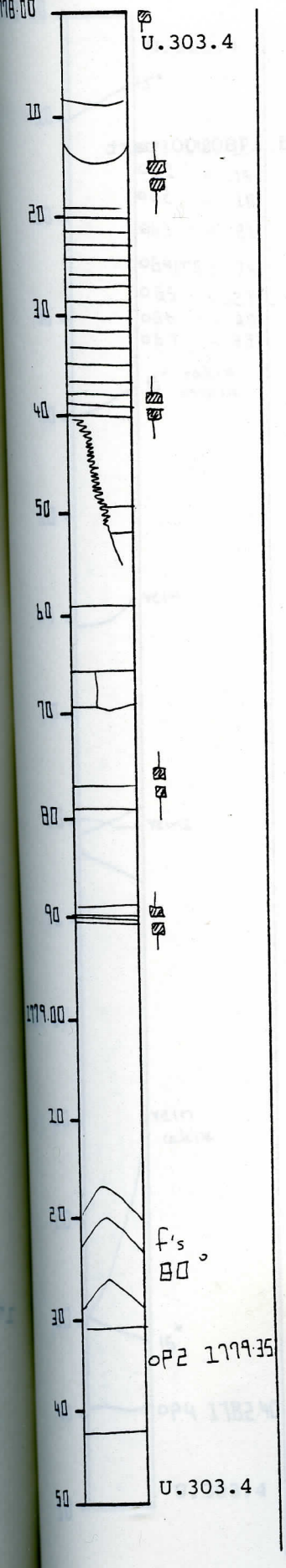
Completely fractured due to drilling.

Visual Core Description Observer .....

Depth Interval 1 7 7 7 9 5 cm to 1 7 7 9 4 5 cm

Box 304, Section 1

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.4

Medium-grained, grey (plagioclase ???) basalt (phyric). Similar to previous section.

STRUCTURE

Massive

VESICLES/AMYGDALES

No

FRACTURES - VEINS - BRECCIA

Highly fractured.

ROCK ALTERATION

Very low

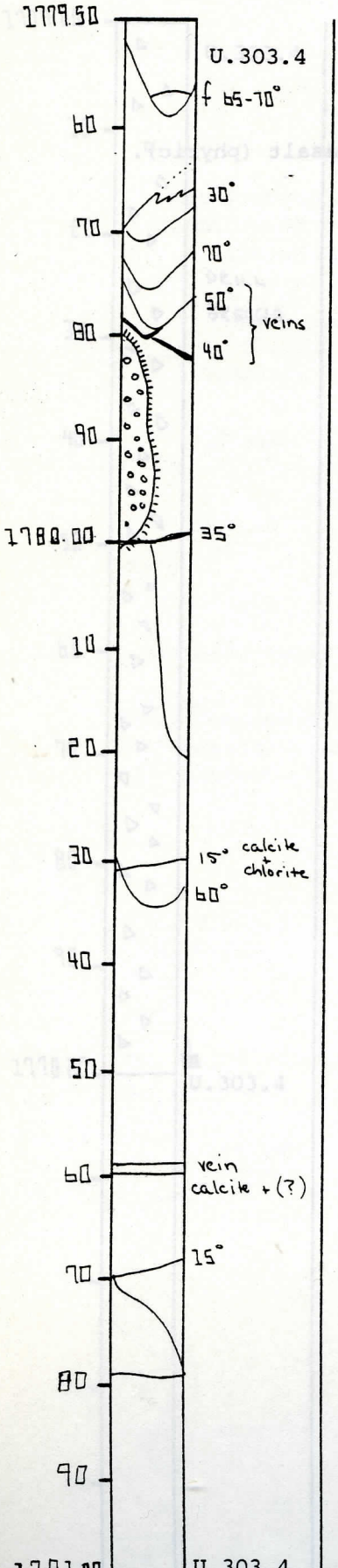
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 1779.45 cm to 1780.97 cm

Box 304, Section 2

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.4

Grey-green basalt. Between 1779.80 and 1780.00 part of country rock (vesicules lava flow).

STRUCTURE

Massive

VESICLES/AMYGDALES

None

FRACTURES - VEINS - BRECCIA

Moderately fractured.

ROCK ALTERATION

Low

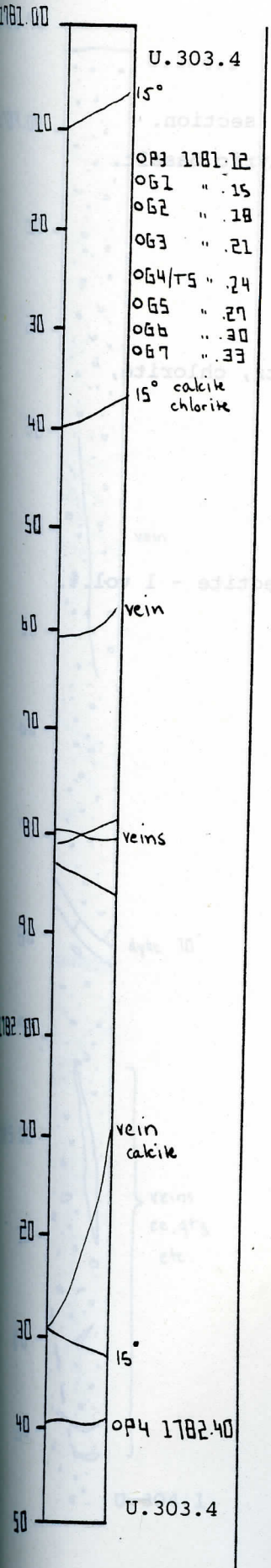
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 178097 cm to 178246 cm

Box 304, Section 3

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.4

Medium to fine grained, grey-green basalt (aphyric ?) with patches of pyrite. Identical to previous section.

STRUCTURE

Massive

VESICLES/AMYGDALES

No

FRACTURES - VEINS - BRECCIA

Few

ROCK ALTERATION

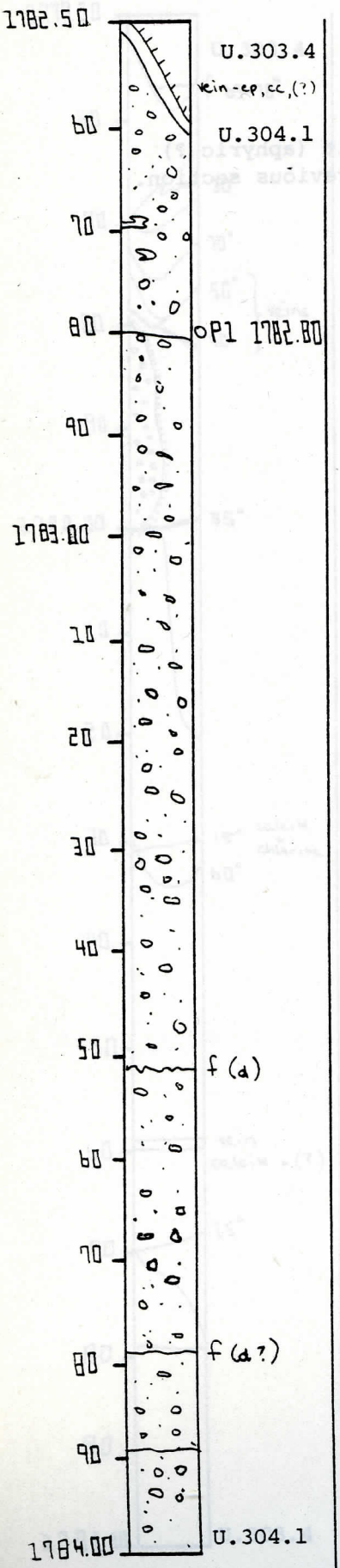
Low

Visual Core Description Observer .....

Depth Interval 1782.46 cm to 1783.92 cm

Box 304, Section 4

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.303.4 Identical to previous section.

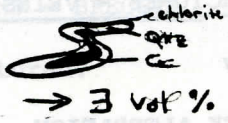
U.304.1 Highly vesicular lava flow, aphyric basalt.

STRUCTURE

U.304.1 Vesicular

VESICLES/AMYGDALES

U.304.1 Ø 2 mm - 1 cm filled with quartz, chlorite, calcite, zeolite (?) sometimes bended:



.5 mm - 2 mm filled with chlorite or smectite - 1 vol.%. Vesicle distribution quite homogeneous.

FRACTURES - VEINS - BRECCIA

U.304.1 Only few fractures

ROCK ALTERATION

U.304.1 High

ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

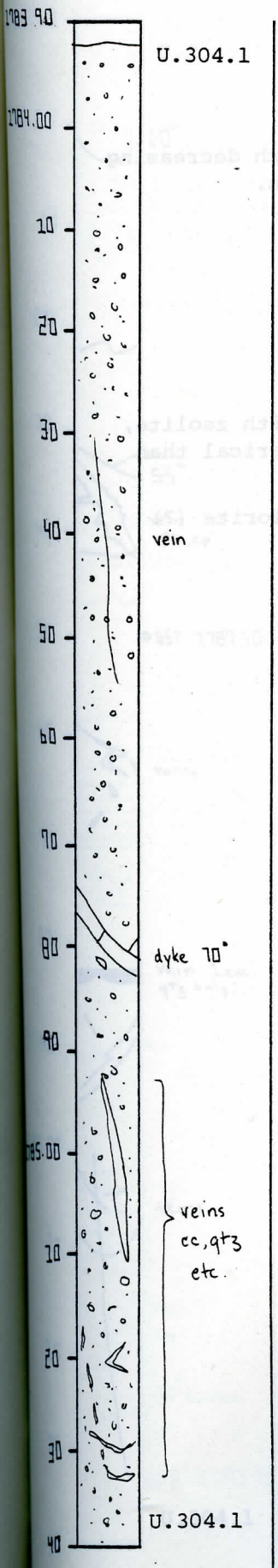
Visual Core Description Observer .....

Depth Interval 1 7 8 3 9 2 cm to 1 7 8 5 4 5 cm

Box 305, Section 1

Graphic Representation

Sample



LITHOLOGY-PETROGRAPHY

Continues U.304.1

Highly vesicular, grey-green, aphyric basalt flow with large irregular vesicles.

Vesicles = ∿ 3-3.5 vol.%.

1784.86-1784.99 Thin (1-1.5 cm) fine-grained dike dipping 70°.

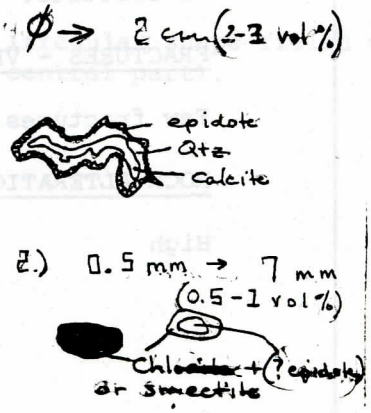
STRUCTURE

1783.92-1784.86 Vesicular

1784.86-1784.99 Massive

VESICLES/AMYGDALES

1783.92-1784.96



1784.86-1784.99 No

1784.99-1785.45 Vol. % vesicles decreases towards the bottom to ∿ 2 vol.%.

FRACTURES - VEINS - BRECCIA

1783.92-1784.96 Irregular veins, sometimes subvertical (coarse part). Few veins in the upper part of this section.

1784.86-1784.99 No

ROCK ALTERATION

1783.92-1784.96 High

1784.86-1784.99 Low

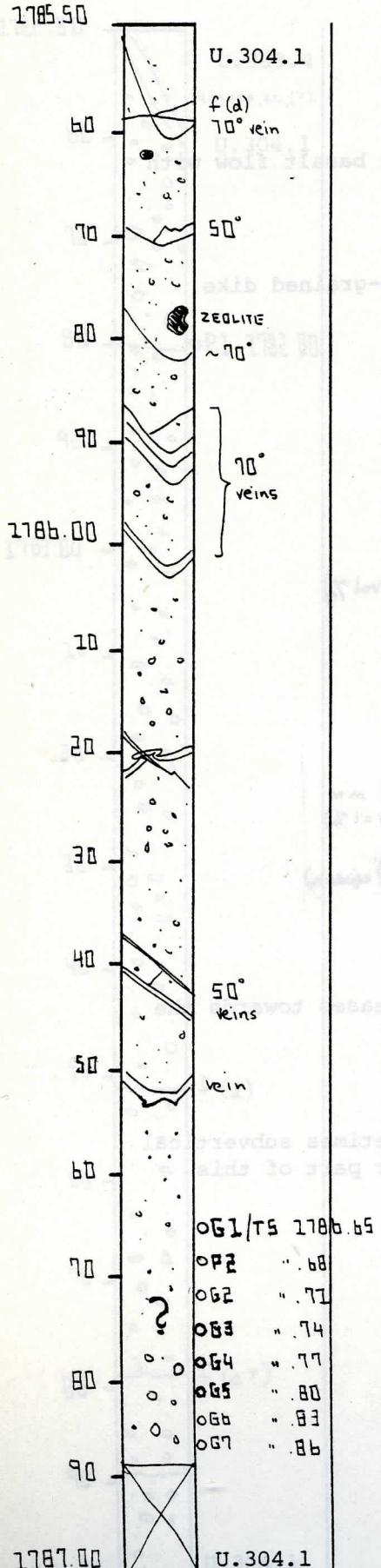
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 1 7 8 5 4 5 cm to 1 7 8 6 8 8 cm

Box 305, Section 2

Graphic Representation | Sample



LITHOLOGY-PETROGRAPHY

Continues U.304.1

Vesicular, grey-green, aphyric basalt with decreasing vesicularity to the bottom of the section. Vesicles = ∿ 1 vol.%.

STRUCTURE

Vesicular

VESICLES/AMYGDALES

Ø .5 cm - 3 cm. 1 - 1.5 vol. %, filled with zeolite, or/and silica and Cc - 1 vol. % more spherical than above.

Ø .5 mm - 1 mm < .5 vol.% filled with chlorite (?) or smectite.

FRACTURES - VEINS - BRECCIA

Few fractures many steep (70°). Veins.

ROCK ALTERATION

High

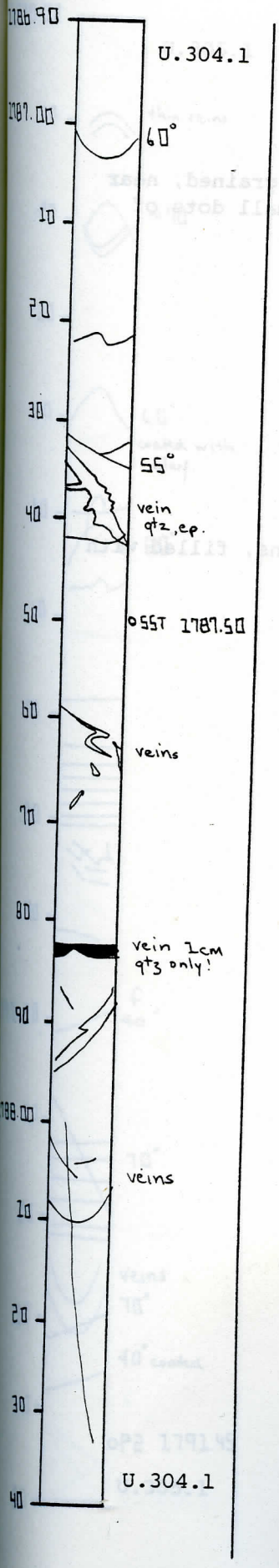
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 1786.80 m to 1788.41 m

Box 305, Section 3

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.304.1

Vesicular, gray-green, aphyric basalt.

STRUCTURE

Vesicular

VESICLES/AMYGDALES

Vesicles (ϕ .5-2 cm, 0-5 vol.%). filled with quartz and epidote ± Cc are rather spherical (cf above!). Vesilces (ϕ .5 mm, << 0.5 vol.%) filled with chlorite as smectite.

FRACTURES - VEINS - BRECCIA

Many veins, most of irregular shape filled with quartz and epidote (latter central part).

ROCK ALTERATION

High to moderate.

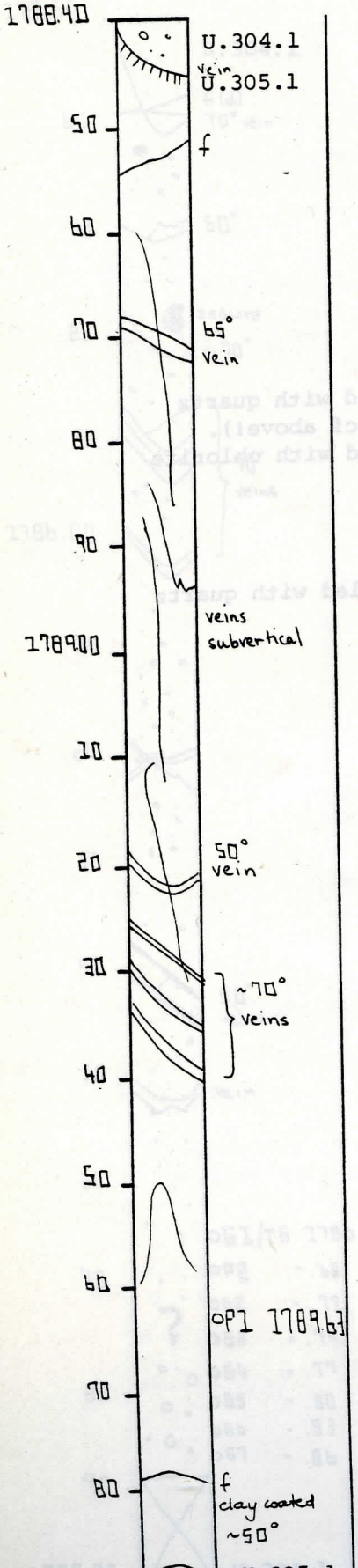
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 1788.41 cm to 1789.95 cm

Box 305, Section 4

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.304.1

Identical to previous section.

U.305.1 Greyish basalt dike, very fine-grained, near the chilled contact to U.305.2. Very small dots of pyrite.

STRUCTURE

U.305.1 Massive

VESICLES/AMYGDALES

U.305.1 No

FRACTURES - VEINS - BRECCIA

U.305.1 Many rather thick (→ 1 cm) veins, filled with calcite, quartz, epidote.

ROCK ATLERATION

U.305.1 Low

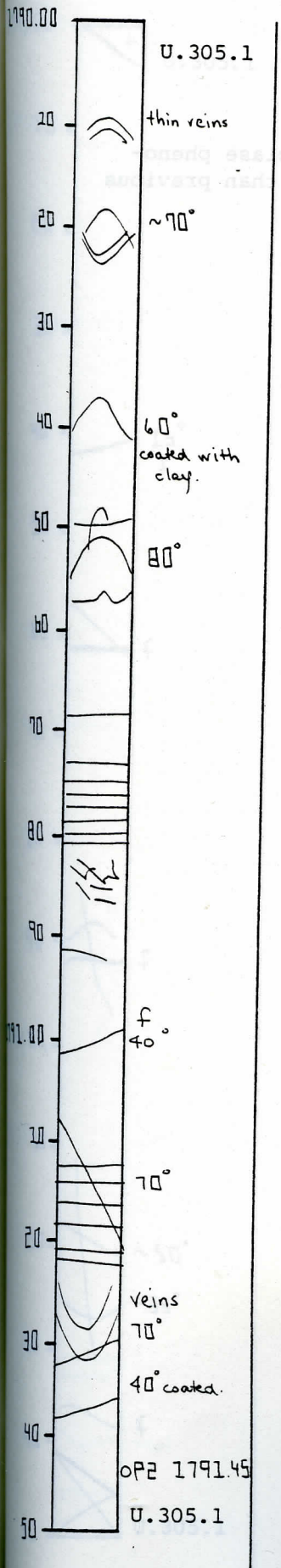
ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1978

Visual Core Description Observer .....

Depth Interval 178955 cm to 179646 cm

Box 306, Section 1

Graphic Representation Sample



LITHOLOGY-PETROGRAPHY

Continues U.305.1

Grey-green, fine-grained, basalt, probably some plagioclase phenocrysts (dots of pyrite).

STRUCTURE

Massive

VESICLES/AMYGDALES

No

FRACTURES - VEINS - BRECCIA

Highly fractured, often subhorizontal veins very thin and steep (70°).

ROCK ALTERATION

Low