

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... PTR

Depth Interval 

	6	0	6	5
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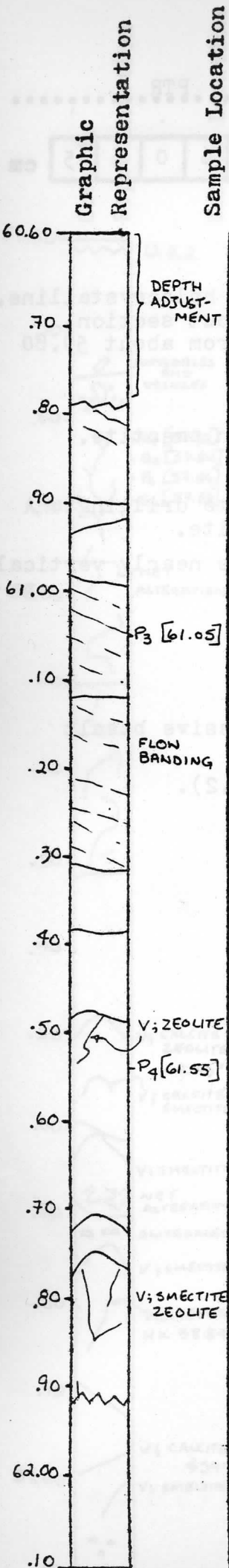
 cm to 

	6	1	9	1
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 cm

Box 9 , Section 4

Section depth adjusted.



LITHOLOGY PETROGRAPHY - continues unit 8.2

Medium grey, fine-grained, holocrystalline, aphyric basalt. Generally with flow (?) banding. Grain size uniform throughout section. No contacts.

VESICLES/AMYGDALES

Less than 1%, 1mm or less, filled with smectite, sub-spherical.

FRACTURES - VEINS - BRECCIA

Fractures are mostly subhorizontal - probably due to drilling. Hairline veinlets are steep 70-80°, filled with smectite and zeolite.

ROCK ALTERATION

None observed.

STRUCTURE

Fine-grained, holocrystalline, aphyric, massive basalt of unit 8.2 with flow banding.

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description      Observer PTR

Depth Interval 

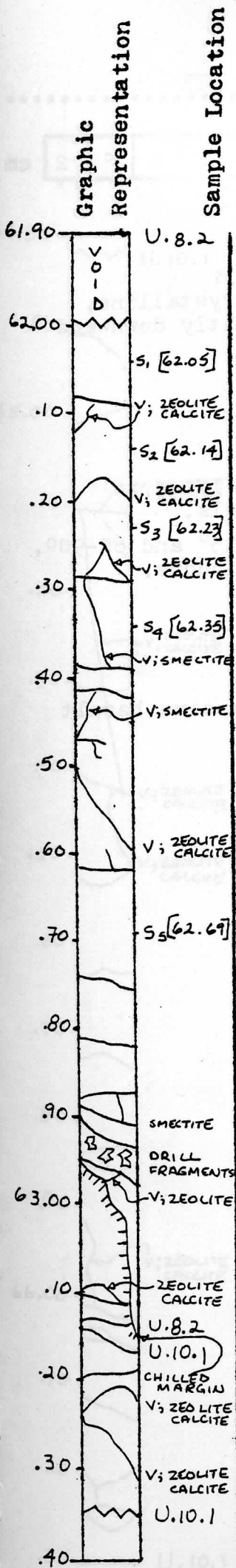
	6	1	9	1
--	---	---	---	---

 cm to 

	6	3	3	5
--	---	---	---	---

 cm

Box 10 , Section 1



LITHOLOGY PETROGRAPHY - continues unit 8.2

Grey, fine-grained, holocrystalline, aphyric basalt. Grain size is uniform to about 62.95 where this unit is cut by an intrusive contact.

Slight flow banding?

63.14 Unit 10.1. Chilled contact against overlying basalt. Contact is steep 70-90°.

Below is dark grey, aphanitic, holocrystalline, aphyric basalt. Grain size increases very slightly downward.

VESICLES/AMYGDALES

61.91 Much less than 1%, 1mm or less, spherical, filled with green smectite.

63.14 None.

FRACTURES - VEINS - BRECCIA

61.91 Most fractures are subhorizontal, probably related to drilling.

Veinlets common, filled with zeolite and calcite and sometimes smectite. Dip 60-70°.

Many incipient hairline fractures present.

63.14 Fractures are subhorizontal, due to drilling. Veinlets of zeolite and calcite dip 10-15° and 50-60°.

ROCK ALTERATION

None observed.

STRUCTURE

61.91 - 62.90 Fine-grained, holocrystalline, aphyric, massive basalt (unit 8.2).

62.90 - 62.95 Drill fragments.

62.95 - 63.14 Fine-grained, massive basalt of unit 8.2.

63.14 - 63.35 Unit 10.1 ; Aphanitic, holocrystalline, aphyric basalt with chilled contact at its upper margin.

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

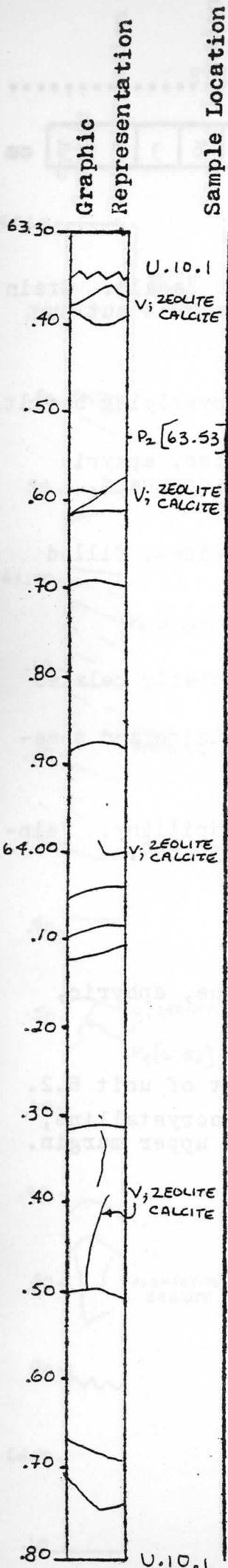
Observer ... PTR .....

Depth Interval

6 3 3 5 cm to

6 4 8 2 cm

Box 10 , Section 2



LITHOLOGY PETROGRAPHY - continues unit 10.1

Grey to greenish-grey, fine-grained, holocrystalline, aphyric basalt. Grain size increases slightly downward in section. No contacts.

VESICLES/AMYGDALES

None observed.

FRACTURES - VEINS - BRECCIA

Fractures mostly subhorizontal, probably related to drilling. Not coated with secondary minerals.

Zeolite and calcite veinlets dip 0-5°, 10-15° and 60-90°. Range from hairline to 2mm. Often discontinuous.

ROCK ALTERATION

None observed.

STRUCTURE

Fine-grained, holocrystalline, aphyric, massive basalt (unit 10.1).

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description      Observer ..... PTR .....

Depth Interval 

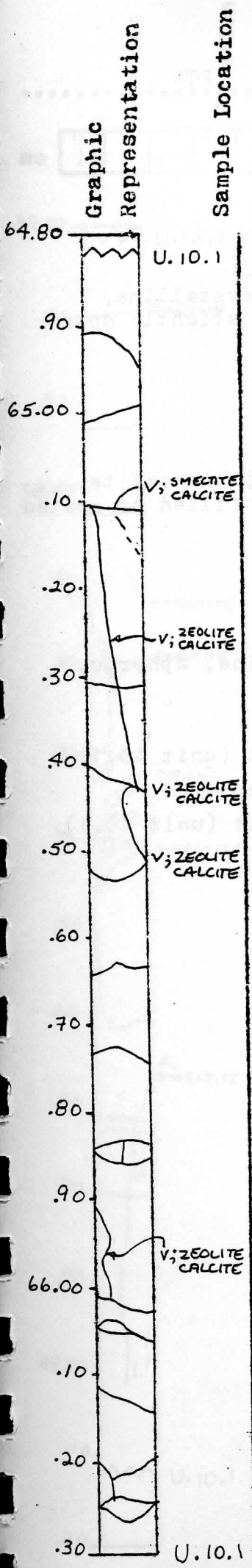
	6	4	8	2
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 cm to 

	6	6	3	3
--	---	---	---	---

 cm

Box 10 , Section 3



LITHOLOGY PETROGRAPHY - continues unit 10.1  
Greenish-grey to grey, fine-grained, holocrystalline, equigranular, aphyric basalt. Grain size increases very slightly downward. No contacts.

VESICLES/AMYGDALES  
None observed.

FRACTURES - VEINS - BRECCIA  
Fractures are subhorizontal or dip about 30°. Some have slight smectite coating. Veinlets of zeolite and calcite are steep 70-90° and usually about 1mm wide.

ROCK ALTERATION  
None observed.

STRUCTURE  
Fine-grained, holocrystalline, equigranular, aphyric, massive basalt.(unit 10.1).

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... PTR .....

Depth Interval 

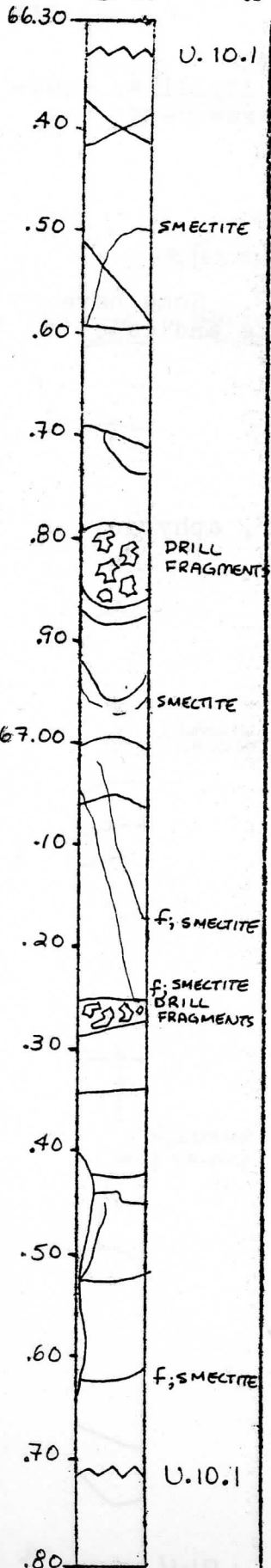
	6	6	3	3
--	---	---	---	---

 cm to 

	6	7	7	1
--	---	---	---	---

 cm

Box 10 , Section 4



LITHOLOGY PETROGRAPHY - continues unit 10.1

Grey to greenish-grey, fine-grained, holocrystalline, aphyric basalt. Grain size increases very slightly downward. No contacts.

VESICLES/AMYGDALES

None observed.

FRACTURES - VEINS - BRECCIA

Most fractures less than 30°, and coated with smectite. Some fractures and veinlets about 80°, also filled or coated with smectite.

ROCK ALTERATION

None observed.

STRUCTURE

66.33 - 66.79 Fine-grained, holocrystalline, aphyric, massive basalt.(unit 10.1).

66.79 - 66.84 Drill fragments.

66.84 - 67.26 Fine-grained, massive basalt (unit 10.1).

67.26 - 67.30 Drill fragments.

67.30 - 67.71 Fine-grained, massive basalt (unit 10.1).

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... RHW .....

Depth Interval 

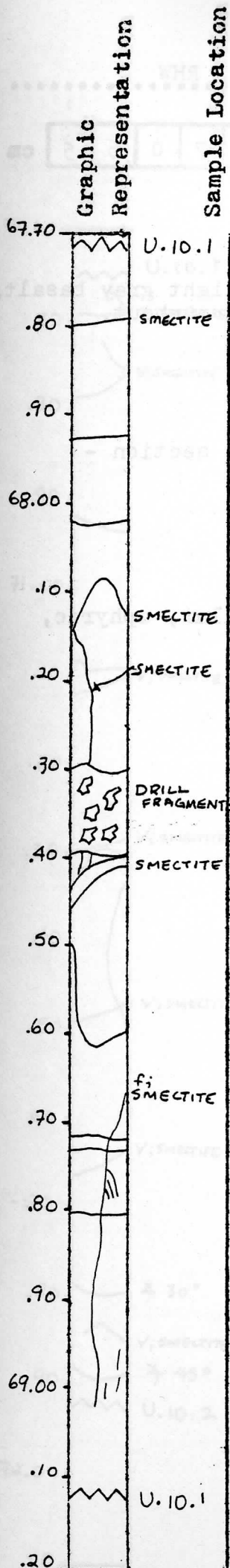
	6	7	7	1
--	---	---	---	---

 cm to 

	6	9	1	2
--	---	---	---	---

 cm

Box 11 , Section 1



LITHOLOGY PETROGRAPHY - continues unit 10.1

Medium grained, light grey basalt - aphyric, holocrystalline granular, equigranular.

VESICLES/AMYGDALES

None observed.

FRACTURES - VEINS - BRECCIA

High angled fracture from about 67.40 to 68.50. Other high angles are present. All filled with smectite with angles of 80°. Some have anastomosing patterns, appear to curve.

ROCK ALTERATION

None observed.

STRUCTURE

67.71 - 68.30 Medium-grained, equigranular, holocrystalline, aphyric, massive basalt (unit 10.1).

68.30 - 68.40 Drill fragments.

68.40 - 69.12 Medium-grained, massive basalt (unit 10.1)

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... RHW .....

Depth Interval

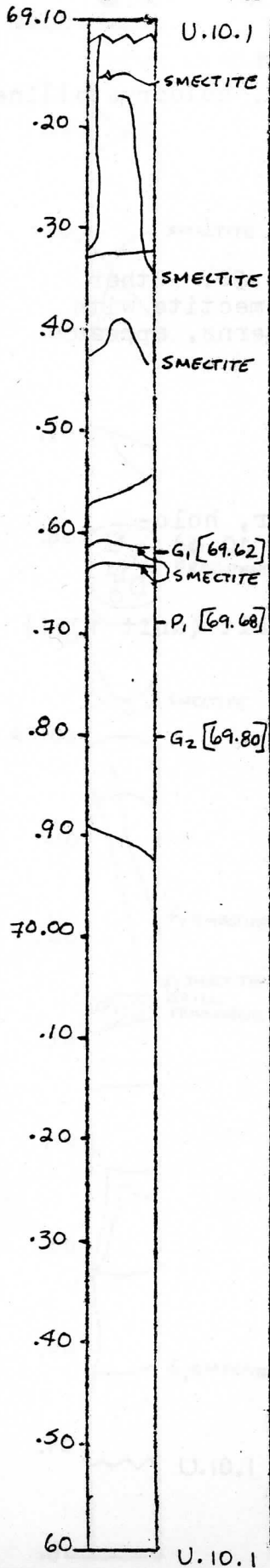
6	9	1	2
---	---	---	---

cm to

7	0	6	5
---	---	---	---

cm

Box 11 , Section 2



LITHOLOGY PETROGRAPHY - continues unit 10.1

Medium grained, aphyric, holocrystalline, light grey basalt, equigranular, granular textured, uniform throughout.

VESICLES/AMYGDALES

None observed.

FRACTURES - VEINS - BRECCIA

More high angled fractures continue in this section - about 80°.

ROCK ALTERATION

None observed.

STRUCTURE

Medium-grained, holocrystalline, equigranular, aphyric, massive basalt (unit 10.1).

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... RHW .....

Depth Interval

	7	0	6	5
--	---	---	---	---

cm to

	7	1	9	2
--	---	---	---	---

cm

Box 11 , Section 3

Core depth adjusted between 70.73 and 70.80.

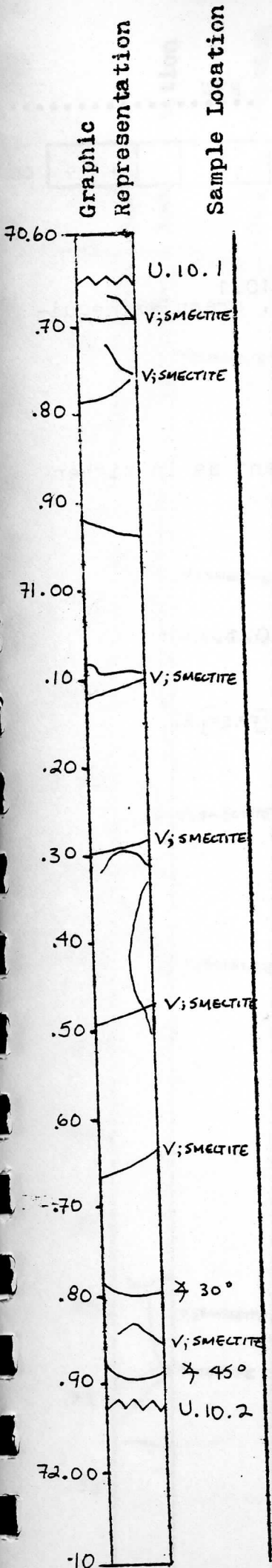
LITHOLOGY PETROGRAPHY - continues unit 10.1  
 Medium-grained, aphyric, holocrystalline, equigranular, granular, light grey basalt.

VESICLES/AMYGDALES  
 None observed.

FRACTURES - VEINS - BRECCIA  
 More high angled veinlets filled of smectite. Angle about 80°.

ROCK ALTERATION  
 None observed.

STRUCTURE  
 Medium-grained, aphyric, massive basalt of unit 10.1.





ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer RHW.....

Depth Interval

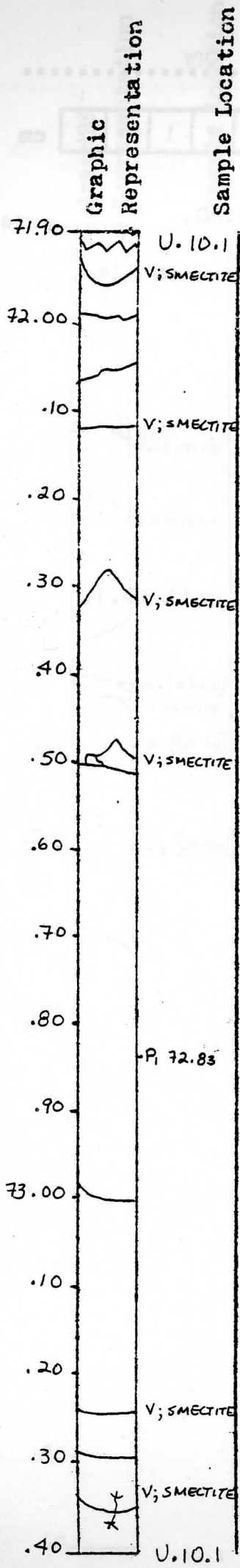
7	1	9	2
---	---	---	---

cm to

7	3	4	4
---	---	---	---

cm

Box 11 , Section 4



LITHOLOGY PETROGRAPHY - continues unit 10.1  
 Medium-grained, aphyric, holocrystalline, granular, equi-granular, light grey basalt.

VESICLES/AMYGDALLES  
 None observed.

FRACTURES - VEINS - BRECCIA  
 Some high angled veinlets, not as prominent as in higher cores.

ROCK ALTERATION  
 None observed.

STRUCTURE  
 Medium-grained, massive basalt of unit 10.1.

ICELAND RESEARCH DRILLING PROJECT

Visual Core Description

Observer ..... RHW .....

Depth Interval

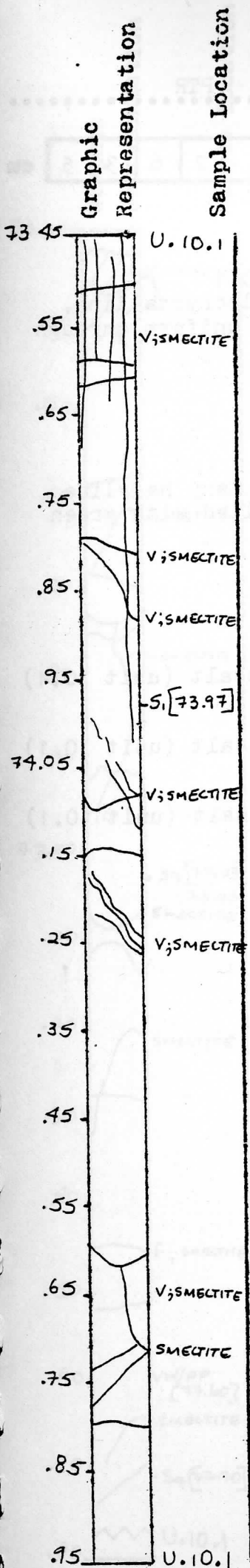
	7	3	4	6
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cm to

	7	4	9	5
--	---	---	---	---

cm

Box 12 , Section 1



LITHOLOGY PETROGRAPHY - continues unit 10.1

Grey to greenish-grey, medium-grained, holocrystalline, aphyric basalt. Equigranular mixture of plagioclase and clinopyroxene. Grain size uniform through section. No contacts.

VESICLES/AMYGDALES

None observed.

FRACTURES - VEINS - BRECCIA

One set of subhorizontal coated with smectite. Other set is steep, about 80°, also coated with smectite. Some smectite veins are 2-3mm wide, others hairline.

ROCK ALTERATION

None observed.

STRUCTURE

Medium-grained, massive basalt of unit 10.1.