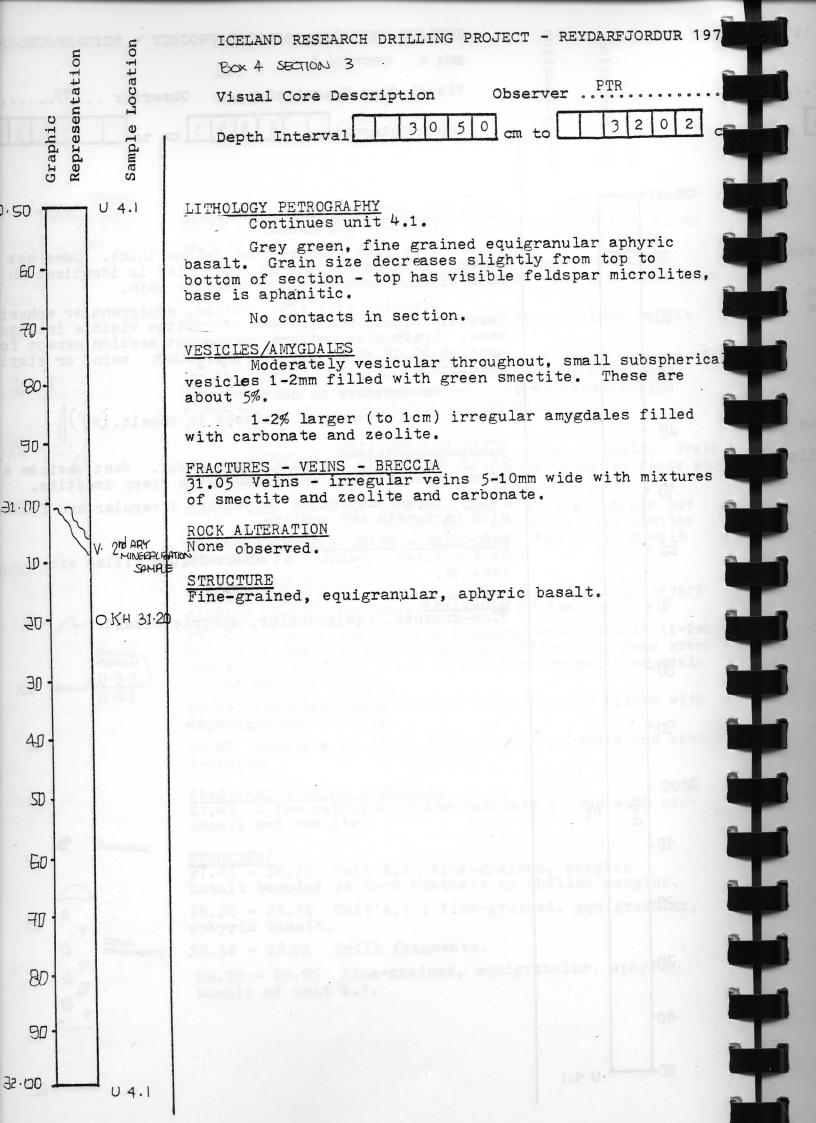
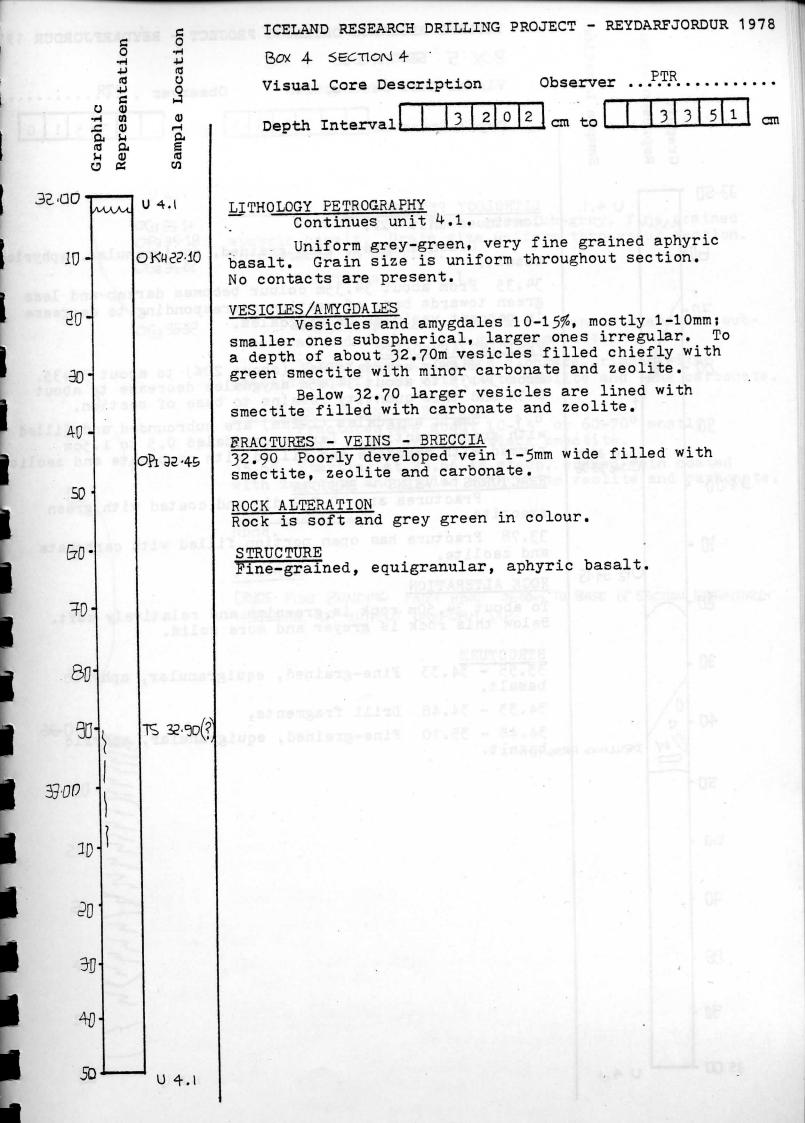
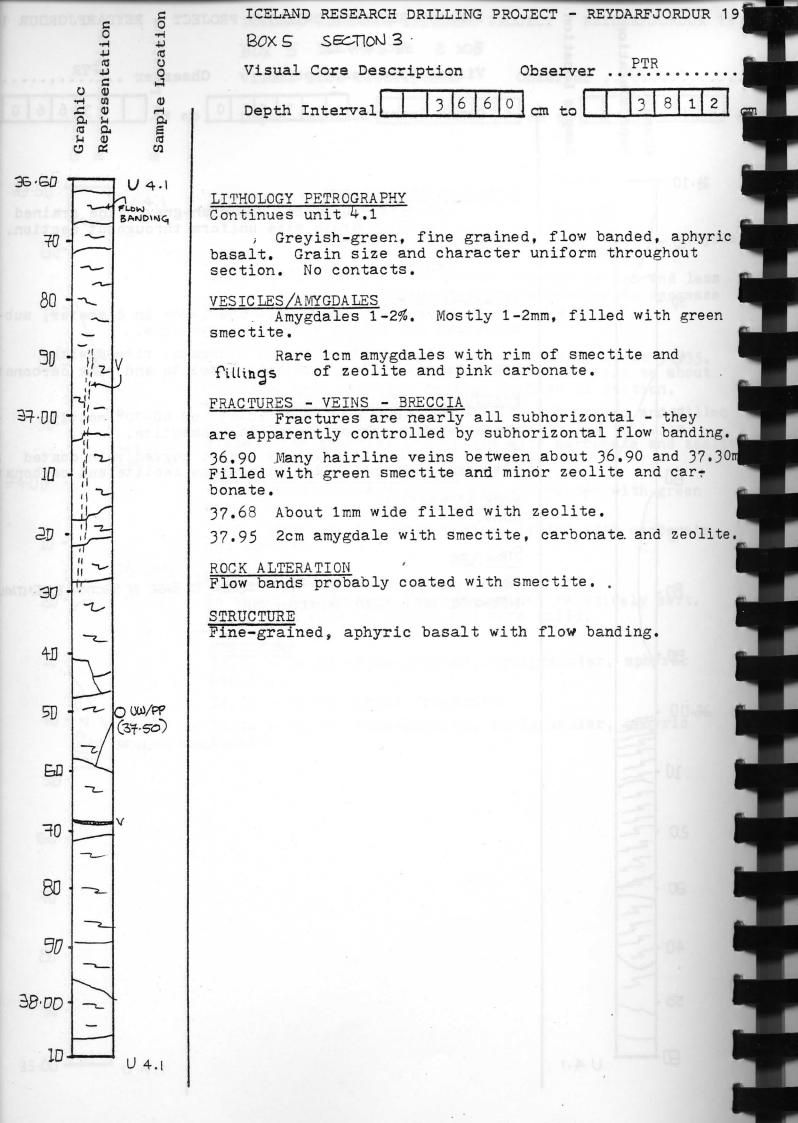
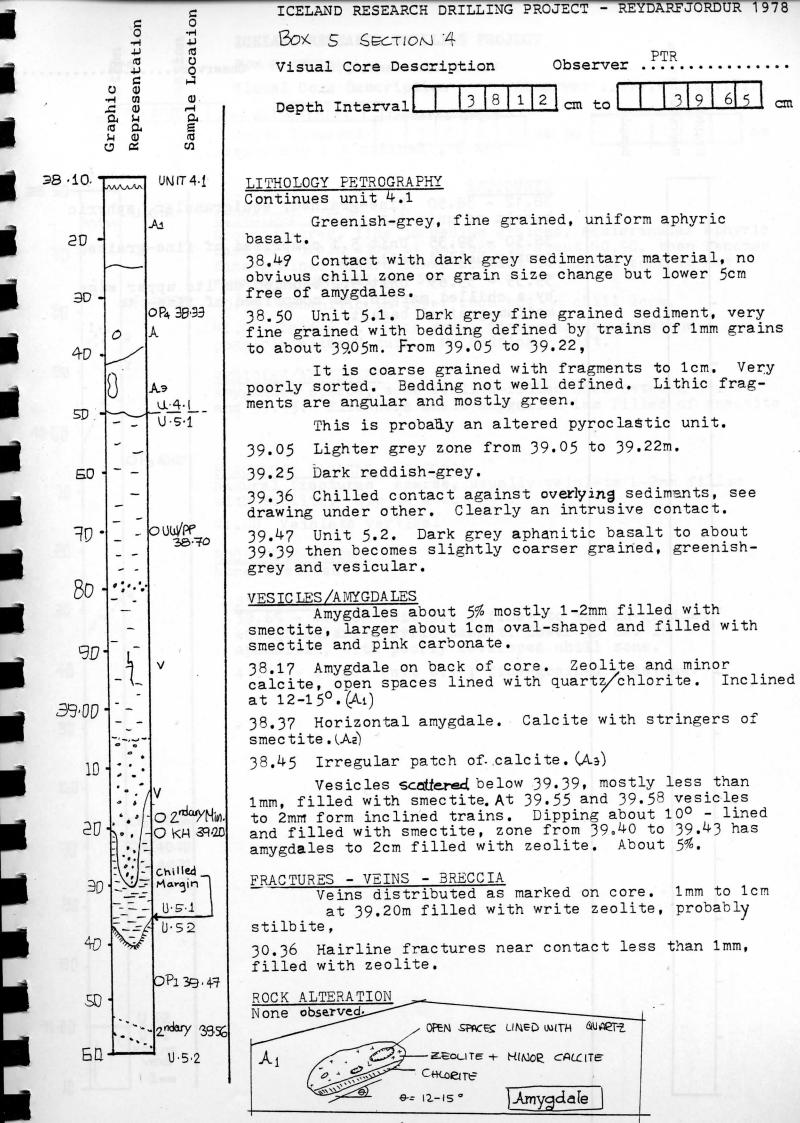


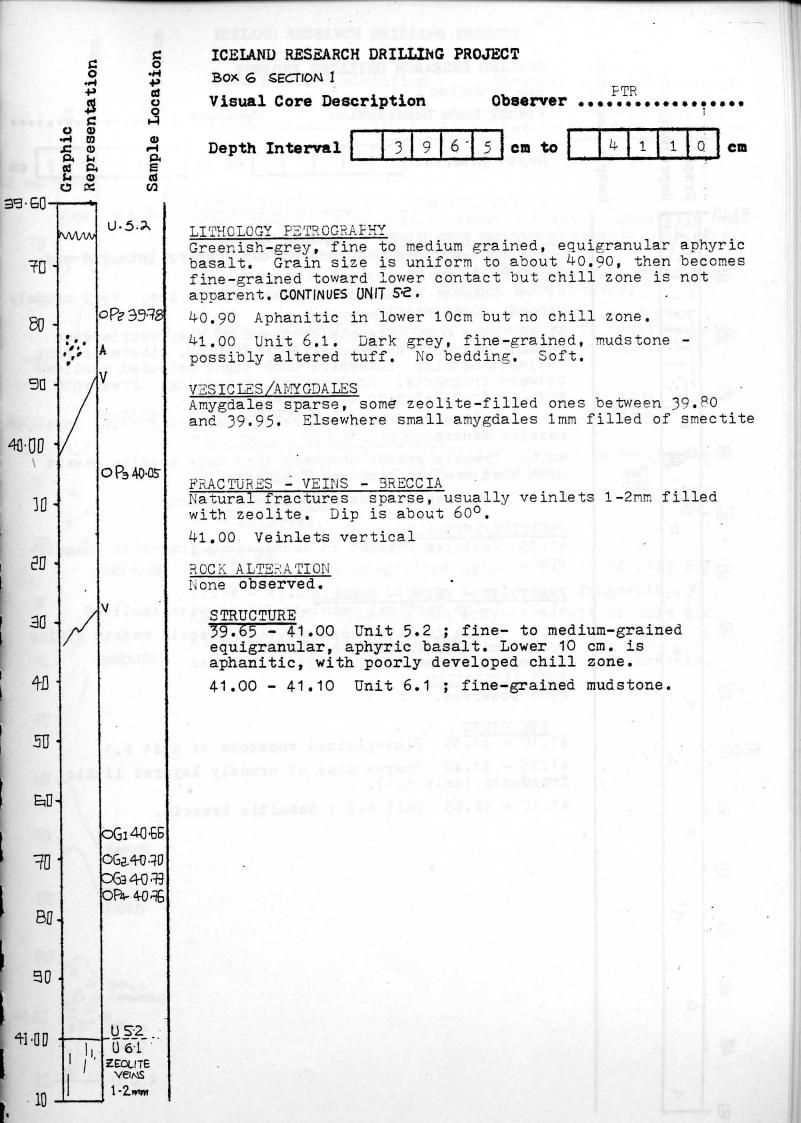
Representatio SECTION 2. B0X 4 Observer ...PTR Visual Core Description Graphic Sample 2 8 Depth Interval 29.00 LITHOLOGY PETROGRAPHY Unit 4.1 continued 29.10 Very fine grained zone 5-10mm thick. Does not .10 appear to be chill zone as grain size is identical on both sides. Most likely a smectite vein. Greenish grey fine grained, equigranular aphyric basalt. Minute plagioclase microlites visible in ground-. 四 mass. Grain size uniform throughout section except for zone at 29.08 which may be a segregation vein, or simply smectite. 30 No contacts in section. 30.04 Minor fragments enclosed in basalt. (mf) 40 VESICLES/AMYGDALES 28.95 Uniformly vesicular throughout. Most vesicles are 1-2mm, subspherical and filled with green smectite. 50 29.15 Larger amygdales 5-15mm are irregular and filled with carbonate and zeolite. FRACTURES - VEINS - BRECCIA **50** · Veinlet at about 29.00m filled with No fractures. zeolite. STRUCTURE TD Fine-grained, equigranular, aphyric basalt. 80 90 30.00 mf 10 50 JD 40 50





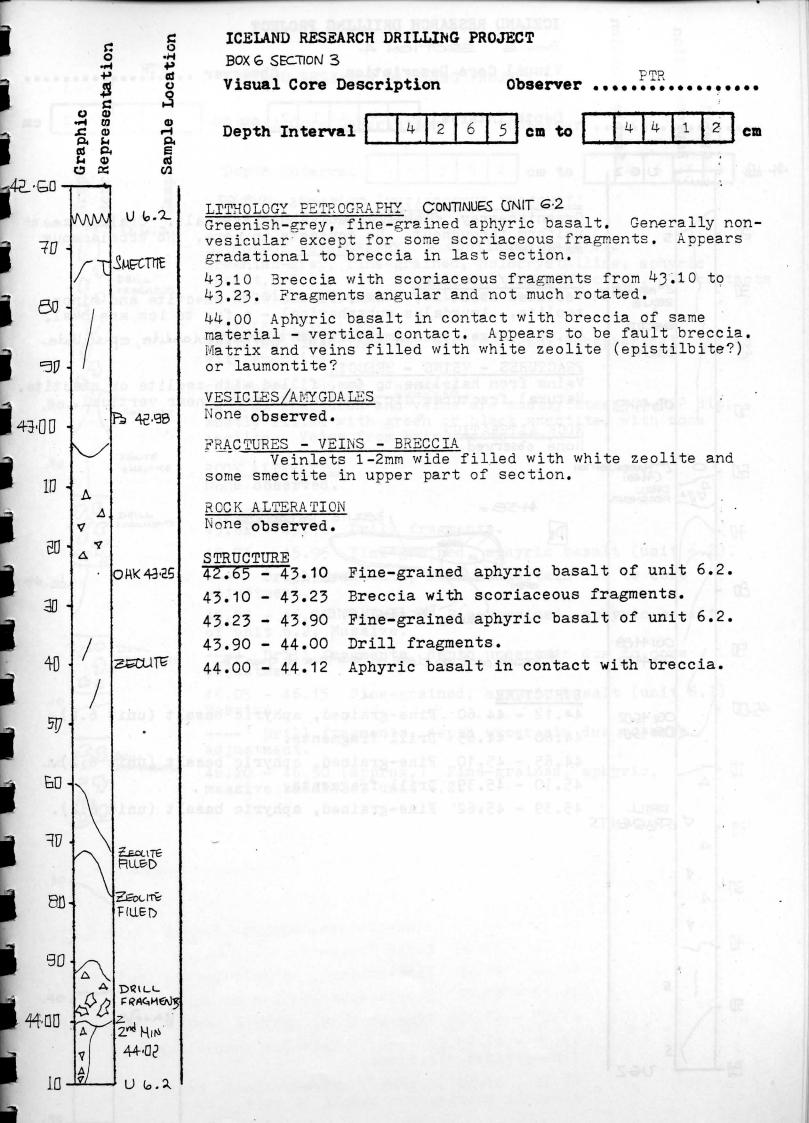






ICELAND RESEARCH DRILLING PROJECT Sample Location Representation Box 6 SECTION 2 Visual Core Description Observer Graphic 2 Depth Interval 41.10 -CONTINUES UNIT 6.1 LITHOLOGY PETROLOGY Grey, fine-grained mudstone at top grading into red mudstone at about 41.25. 20 41.35 Coarser zone, lithic fragments to 1cm. Very crudely bedded. Clay matrix. 41.42 Unit 6.2. Breccia composed of grey scoriaceous JI basalt fragments between 41.50 and 41.60, there is pink sediment matrix. Elsewhere much light coloured zeolite? between fragments. No layering or sorting. Fragments 41) angular from 2-3cm to 10's of cm. U 6.1 0 6.2 Believed to be scoriaceous flow top grading into A massive centre. 511 42.10 Breccia grades downward into more massive basalt with scattered scoriaceous fragments. PINK SED. All breccia ends at base of section. 60 VESICLES/AMYGDALES Vesicles present in scoriaceous fragments; usually open. 70 FRACTURES - VEINS - BRECCIA. 1-2mm vertical veinlets filled with zeolite? 41.60 White zeolite? replaces much breccia matrix giving 80 rock a mottled appearance. 4 ROCK ALTERATION 90 None observed. V STRUCTURE 41.10 - 41.35 Fine-grained mudstone of unit 6.1. 2.00 41.35 - 41.40 Coarse zone of crudely layered lithic fragments.(unit 6.1). 41.40 - 42.65 Unit 6.2; Basaltic breccia. 117 四 V JD 40 1 50

V



		uo uo	ICELAND RESEARCH DRILLING PROJECT
t i i i i i i i i i i i i i i i i i i i			
	9	ntation Location	Visual Core Description Observer PTR
	Graphic	representation Sample Location	
4.8b	Gr		Box 7, Section 2
46.50.	6	y U. 6.2	Section depth adjusted.
.60	0	AMYGDALE; ZEOLITE	LITHOLOGY PETROGRAPHY - continues unit 6.2 Greenish-grey, fine-grained, holocrystalline, aphyric basalt. Many fractures and amygdales filled with zeolite (stilbite?).
			46.90 Slightly scoriaceous to 47.00.
.70	1	ZEOLITE	47.05 Highly vesicular, irregular vesicles 3-5mm, for about
.80	30	DRILL FRAGMENTS	47.11 Unit 7.1 . Fine-grained, reddish brown to grey claystone. No apparent layering. Highly fractured. Interflow sediment.
90.		V; STILBITE	47.24 Irregular contact with lower unit. No chilling or baking.
	なな	SCORIACEOUS	47.25 Sharp contact with sediment but somewhat irregular - not chilled.
47.00	**		47.30 Greenish-grey, fine-grained, holocrystalline, aphyric basalt. Slightly scoriaceous with irregular patches of zeolite and carbonate.
./0.	000	ZEOLITE U.6.2	-alement Life of the state of the
	000	U.7.1	VESICLES/AMYGDALES .
		TOD OF	46.55 Amygdale on back of core, 7-8cm filled with zeolite.
		ed else	2-3% large (2-3cm) amygdales scattered through core. Filled with zeolite.
			46.50 Amygdale also filled with quartz.
.20.			47.25 Vesicles irregular, 2-3mm. Filled with smectite and zeolite.
BO.		U.7.1	FRACTURES - VEINS - BRECCIA
	000	U.7.2 VESICLES;	47.30 - 47.40 Vein is about 2cm wide filled with zeolite.
		LEQUITE	ROCK ALTERATION
.30-	75		None observed.
i in	20	DR.J FWG 6	VEIN AT 47.30 - 47.40
	83		TABULAR ZEOLITE
201	V	V; ZEOLITE	FINE PRISMATIC ZEOLITE
.40	જ		STRUCTURE
	w		46.50 - 46.72 Fine-grained, aphyric basalt (unit 6.2)
.50			40.72 - 46.86 Drill fragments.
	25		46.86 - 46.90 Fine-grained, aphyric basalt (unit 6.2)
50	24		46.90 - 47.00 Scoriaceous section of unit 6.2.
.60	~~	U.7.2	47.00 - 47.10 Fine-grained, aphyric basalt (unit 6.2)
FI.		5 716.2	fine-grained claystone. Unit 7.1 consisting of
			47.25 - 47.60 (approx.) Fine-grained, aphyric, slightly scoriaceous basalt of unit 7.2.
			- So L L SS L

d

1

ICELAND RESEARCH DRILLING PROJECT Location Representation Visual Core Description Observer . Graphic Sample Depth Interval cm to Box 7, Section 3 47.60-U.7.2 30 - continues unit 7.2 LITHOLOGY PETROGRAPHY 4 P.[47.65] Greenish-grey, fine-grained, holocrystalline, aphyric VESICLES basalt. Grain size uniform throughout section. No con-.70 Slightly brecciated in upper 50m. Vesicular and amygdaloidal to about 48.16. Amygdales mostly in zones as shown, most 2-3cm. Slight ovate and filled with smectite. Some are up to 3cm, oval, and filled .80 P3 [47.83] with smectite with a zeolite core. 47.90 Ovate amygdales dip about 45°. 90 00 VESICLES/AMYGDALES ANYGDALES; 0 Filled with smectite and later zeolite. Zeolite occurs SMECTITE, 0 only in large amygdales, Some irregular patches of zeolite ZEOLITE 1-2cm across occur. This usually represents groundmass 48.00 V; SMECTITE material in slightly brecciated zones. . . FRACTURES - VEINS - BRECCIA AMYGDALES: 00 .101 SMELTITE Natural fractures are few. These are lined with smectite. .. Fractures relatively flat, i.e. dip about 15°. ROCK ALTERATION .20 None observed. FR AGMENTS 3 OF VESICULAR BASALT STRUCTURE Fine-grained, holocrystalline basalt, which is slightly 0 .30 brecciated in upper section. G.[48.33] P2[48.35] 0 G2[48.38] 40 0 G3 [48.45] .50 0 P4 [48.59] .60 .70 V; ZEOUTE .80 U. 7.2 90

Representati Visual Core Description Observer Graphic Depth Interval Box 8, Section 4 54.70-U.8.2 LITHOLOGY PETROGRAPHY - continues unit 8.2 4 Red scoriaceous breccia identical to previous core to A D 54.84. .80. A 54.84. Gradational contact to massive underlying basalt. Grey to greenish-grey, very fine-grained, holocrystalline, aphyric basalt, vesicles less than 1%, 1mm or less. Grain .90 size uniform through lower part of section. Interpreted as massive flow beneath a scoriaceous top. 55.00 VESICLES/AMYGDALES 54.84 Sparse vesicles less than 1mm, subspherical, filled with smectite. .10 Rare oval amygdales to 1cm, filled with zeolite. FRACTURES - VEINS - BRECCIA Most fractures subhorizontal probably due to drilling .20 A few dip 60°, roughly parallel to veins. Hairline vein-lets coated with smectite. Dip about 70°. G1 [55.22] G2 [55.25] ROCK ALTERATION .30 P. [55.30] None observed. G3 [55.35] STRUCTURE 54.72 - 54.84 .40 Scoriaceous breccia (unit 8.2). 54.84 - 56.12 Very fine-grained, aphyric, massive A SMECTITE basalt (unit 8.2). .50 .60 .70 .80 .90 V; SMECTITE ZEOLITE 56.00 .10 U.8.2 ,20

