

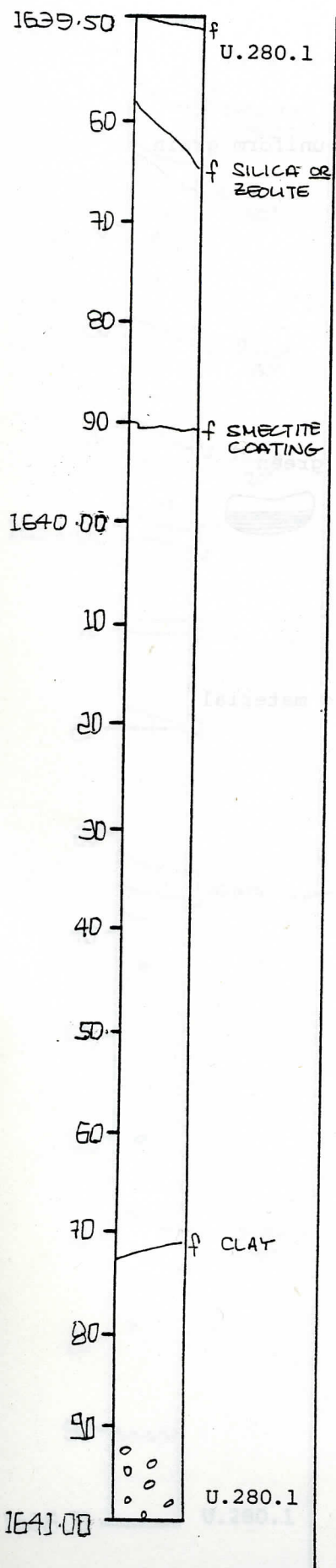
Visual Core Description

Observer HUS/GW

Graphic Representation  
Sample

Depth Interval 163945 cm to 164103 cm

Box 280, Section 4



LITHOLOGY-PETROGRAPHY

Continues U.280.1

Very similar to previous section, rather uniform, but slightly finer-grained.

Central part of lava flow.

1640.92-1641.00 Vesicular zone, ~ 1-2 mm green filled.

STRUCTURE

Massive

VESICLES/AMYGDALES

Very sparse

FRACTURES - VEINS - BRECCIA

Very little

ROCK ALTERATION

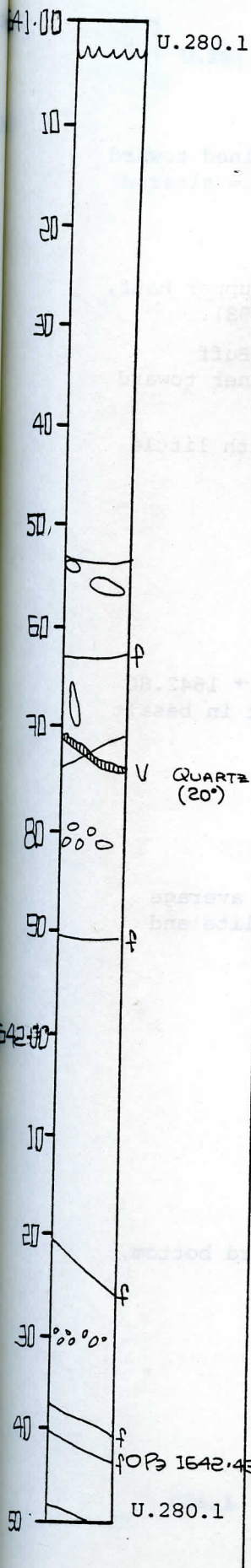
Relatively fresh.

Graphic Representation

Sample

Depth Interval 164103 cm to 164252 cm

Box 281, Section 1



LITHOLOGY-PETROGRAPHY

Continues U.280.1

Gray-green, fine-medium grained, aphyric basalt.

1641.80 Vesicular zone.

1642.30 Vesicular zone.

Central to lower part of flow.

STRUCTURE

Massive

VESICLES/AMYGDALES

< 5%, < 2 mm  $\phi$ , filled with green smectite ?  
locally abundant ( $\sim$  10%) and larger (1641.80). Vesicles  
more abundant towards base.

FRACTURES - VEINS - BRECCIA

Sparse thin fractures and veins. Locally  $\rightarrow$  .5 cm thick  
(and zeolite) veins and pods (1641.70 and 1647.40-.50).

ROCK ALTERATION

Moderate and pervasive.

Visual Core Description

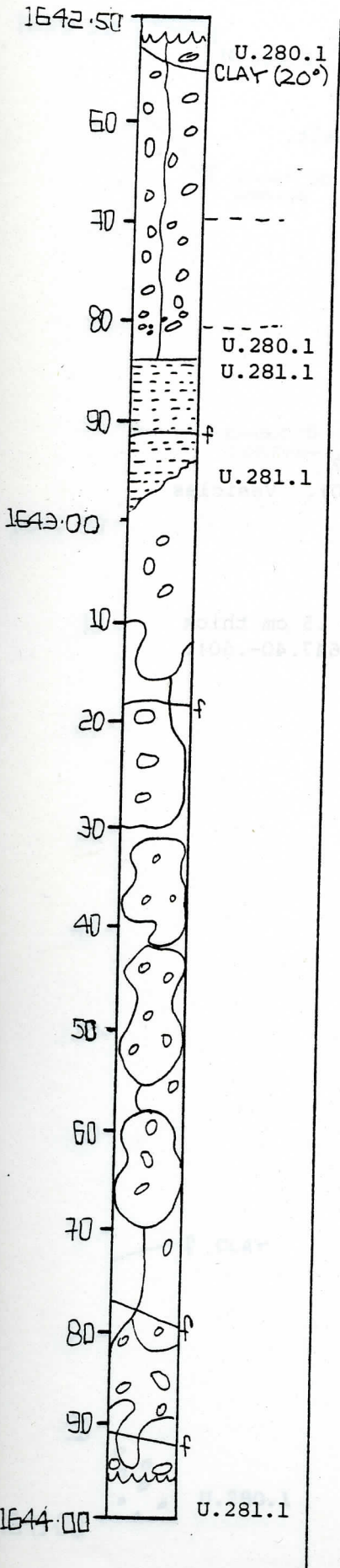
Observer HUS

Graphic Representation

Sample

Depth Interval 164252 cm to 164396 cm

Box 281, Section 2



LITHOLOGY-PETROGRAPHY

Continues U.280.1

Gray-green, aphyric basalt becoming finer grained toward base. Small red specks (< 1 mm  $\phi$ ) toward top = altered olivine (?).

1642.80 Base of lava.

U.281.1 Tuff interbed, fine-grained, red in upper half, light gray-green in lower half. (1642.86-1642.98).

1642.98 - downward. Lava flow top breccia. Buff violet with large green specks, becoming greener toward base.

Large vesicular scoria fragments 2-20 cm  $\phi$  with little matrix.

STRUCTURE

U.280.1 Banded, vesicular

VESICLES/AMYGDALES

U.280.1 Abundant  $\rightarrow$  1642.70 = round, 1-4 mm,  $\rightarrow$  1642.80 = irregular in shape  $\sim$  20 vol.% nearly absent in basalt 5 cm.



OTHER

Base of lava flow and top of next lava flow.

U.281.1 (1642.98) Large vesicles  $\rightarrow$  2 cm  $\phi$ , average .5-3. filled dominantly with epidote and zeolite and chlorite (?). A little carbonate.

FRACTURES - VEINS - BRECCIA

U.280.1 Sparse, irregular

U.281.1 Rare

ROCK ALTERATION

U.280.1 Pervasive, all vesicles filled.

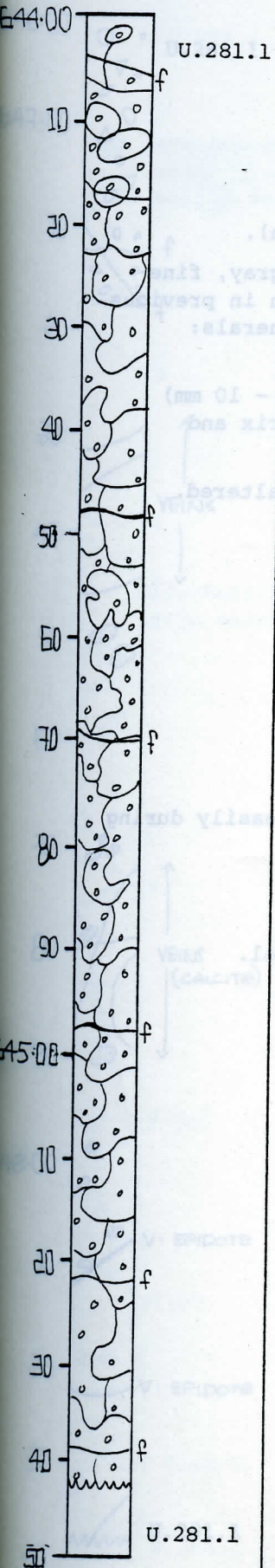
U.281.1 Alteration increasing strongly toward bottom, where basalt becomes soft and crumbly.

Graphic Representation

Sample

Depth Interval 164396 cm to 164542 cm

Box 281, Section 3



LITHOLOGY-PETROGRAPHY

Continues U.281.1

Light green aphyric breccia of .5-5 cm  $\phi$  scoria fragments. Rather even grain size, little matrix.

Flow top breccia.

STRUCTURE

Scoria, breccia.

VESICLES/AMYGDALES

Scoria fragments highly vesicular  $\rightarrow$  10-50%, highly varying sizes, mostly small .1-2 mm. Fillings: epidote, quartz, zeolite, carbonate, actionlite ??, chlorite ?.

FRACTURES - VEINS - BRECCIA

Fractures due to drilling every 20-30 cm, but as is common in top breccias, no clean fractures or veined fractures.

ROCK ALTERATION

Thorough but rock not soft in contrast to next section.