LOG OF DIAMOND DRILL HOLE-NAHiku, MAUI
May 27, 1937

HOLE 63:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Soil</td>
</tr>
<tr>
<td>1</td>
<td>NDS Partly rotted caving clinker, leaky.</td>
</tr>
<tr>
<td>39.4</td>
<td>Loose, caving clinker.</td>
</tr>
<tr>
<td>41.8</td>
<td>Clay-like, somewhat gritty, rotted AA.</td>
</tr>
<tr>
<td>42.9</td>
<td>NDS Hard broken basalt, leaky and showing numerous very small feldspar crystals.</td>
</tr>
<tr>
<td>52.5</td>
<td>Same as above but chiefly partly rotted clinker</td>
</tr>
<tr>
<td>61.8</td>
<td>Loose, leaky, caving clinker.</td>
</tr>
<tr>
<td>67</td>
<td>At 65.7 a six inch cavity</td>
</tr>
<tr>
<td>67</td>
<td>Hard, gray, rather porous Olivine rock. From 61.8 to 67 a contact was suspected but nothing sufficiently clay-like could be determined to warrant an attempt to take a pipe sample.</td>
</tr>
<tr>
<td>90.5</td>
<td>Partly rotted, red, leaky, clinker.</td>
</tr>
<tr>
<td>92.2</td>
<td>NDS Hard rather porous basalt.</td>
</tr>
<tr>
<td>93.6</td>
<td>Same as 92.2-93.6</td>
</tr>
<tr>
<td>102.3</td>
<td>Gritty, soft, rotted basalt with some clay-like material an inch or so thick occasionally. Caves badly.</td>
</tr>
<tr>
<td>109.8</td>
<td>Hard, blue NDS basalt</td>
</tr>
<tr>
<td>125</td>
<td>NDS partly rotted clinker</td>
</tr>
<tr>
<td>127.8</td>
<td>Caving, lumpy, rotted AA. Probably leaky.</td>
</tr>
<tr>
<td>133</td>
<td>Above formation gradually becoming more firm and more clay-like. Still lumpy, probably impervious.</td>
</tr>
<tr>
<td>141.1</td>
<td>Partly rotted NDS basalt</td>
</tr>
<tr>
<td>143</td>
<td>Same as above but more hard and less broken</td>
</tr>
<tr>
<td>158.8</td>
<td>Red and brown gritty clay. Very compact and probably impervious. No leak was observed on this contact.</td>
</tr>
<tr>
<td>162.6</td>
<td>WILD TURKEY. AUGITE OLIVINE rock, ranging from hard to soft with many partly rotted frothy caving spots. Cased to 67 FEET</td>
</tr>
</tbody>
</table>

Hole at 41.9 water stands at 38.5; Hole at 61.5 water stands 66.8; Hole 93.6 water stands 82.7; Hole 103.5 water stands 101; Hole 121 water stands 105.6; Hole 136.8 water stands 105.5; Hole 141 water stands 105.6; Hole 160.3 water stands 105.6; Hole 174.7 water stands 105.6

Cold spring showed slight green color morning of May 26th; is still showing in afternoon of May 29th but somewhat more pale. To test durability of this color a sample of water from Big Spring was slight tinted and placed in 2 containers, one of which was corked, the other left open. Both were placed in the dark for 60 days after which they were exposed to the light one week, but no fading could be noticed.
Sheet #2 Drill Report Nahiku, May 27, 1937

LEAKS

Leak 61.8 - 75.8 - 90.5 - 92 - 93.6 - 100 - 109 - 113 - 114 and cavity, 120 and cavity - 123 - 165.5 - 167 - 169 - 173.5 - 179 - 182.5

COLOR

Color May 17, 9:30 A.M. hole at depth of 41.9
Color May 19, at 12 Noon hole at depth of 73.7. Casing at 67 not seated tight.
Color May 20, 12 Noon hole at depth of 93.6
Color May 21, 7:45 A.M. hole at depth;...%.::---...
Color May 19, at 12 Noon hole at depth.
Color May 20, 12 Noon hole at depth.
Color May 21, 7:45 A.M. hole at...
Color May 22, 8 A.M. hole at depth of crevices and hea,
Color May 22, 11:30 A.M. hole at depth.
Color May 25, 11:30 A.M. hole at depth of 160

COLOR IN HOLE 62

May 13, at 1 P.M. hole at 149 and tightly choked at that depth to prevent color passing below.
Color May 24, at 2 P.M. to depth of 177 through ½ inch pipe, hole choked tightly at 177 to prevent color passing below. 177 feet of ½ inch pipe left in this hole, resting on tight choke in hole, the pipe being slotted near the lower end to allow free movement of water.

CURRENT METER READINGS HOLE 63

<table>
<thead>
<tr>
<th>At depth of 110</th>
<th>150 RPM</th>
<th>At depth of 117</th>
<th>275 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot; &quot; &quot; 114</td>
<td>260 &quot; &quot; &quot; 119</td>
<td>322 &quot; &quot;</td>
<td>~</td>
</tr>
<tr>
<td>&quot; &quot; &quot; 116</td>
<td>167 &quot; &quot; &quot; 123,5</td>
<td>216 &quot; &quot;</td>
<td>~</td>
</tr>
<tr>
<td>&quot; &quot; &quot; 116,5</td>
<td>0 &quot; &quot; &quot; 119.5</td>
<td>200 &quot; &quot;</td>
<td>~</td>
</tr>
</tbody>
</table>

TEMPERATURE READINGS

Cold Spring April 27, 1937 at 2 P.M. 16.1 Big Spr. 7:30 A.M. 18 15.3
Bubbling Spring, " " 1:23 P.M. 16.1 9:25 " " 16.1
Cold Spring Apr. 28, 8:30 A.M. 16.2 Cold " 10:15 " " 16.1
Bub. Spring " 7:50 A.M. 16.1 Bub " 7:30 " 19 16.1
Cold Spring " 7:50 A.M. 16.1 Cold " 8:00 " " 16.2
Bub. " 7:35 A.M. 16.1 Big " 7:30 " 24 15.3
Big, Spring May 11, 1937 at 2:30 P.M. 15.3 Cold " 9:20 " " 16.2
Cold Spring " " 12:45 " 16.2 Bub " 7:15 " 25 16.1
Bub. " " 1:10 " 16.1 Cold " 7:40 " " 16.2
Bub. " 14 " 12:35 " 16.1 Cold " 2:05 P.M. 28 16.2
Cold " " 1:35 " 16.2 Bub. " 2:40 " " 16.1
Hub " 15 " 7:30 A.M. 16.1 Big " 7:40 A.M. 29 15.3
Cold " " 8:00 " 16.1 Bub. " 8:40 " " 16.1
Bub. " 17 " 12:45 P.M. 16.1 Cold " 9:00 " " 16.1
Cold " " 1:15 " 16.2

(s) J.M. Heizer
USGS No: Maui T 63; E confisc. T 63.

Location: Naliku area, 1/4 E. bank of stream. Det. by MacArthur Creek, 30 ft. - 20 m. from y. det. by S. Okada.

Latitude: 20° 48' 18"
Longitude: 150° 6' 20"

Owner: E M J C

Driller: J M Heiger

Started: 194.6

Completed: 194.6

Altitude: 1329

Depth: 194.6

Diameter: 1 1/2 inches

Casing:

Purpose:

Salt content when completed.

Head:

Geologic formations penetrated:

-0 - 36
-36 - 158.6
-158.6 - 184.6

W. Okada
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Core Length (miles)</th>
<th>Texture</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 - 17.1</td>
<td>6</td>
<td>No core</td>
<td></td>
</tr>
<tr>
<td>7.0 - 19.0</td>
<td>7</td>
<td>Vesicular</td>
<td>Moderately vesicular, medium gray, non-porphyrhythic aa</td>
</tr>
<tr>
<td>10 - 32.0</td>
<td>33</td>
<td>Dense</td>
<td>No core, but sparsely vesicular</td>
</tr>
<tr>
<td>10 - 36.0</td>
<td>10 1/2</td>
<td>Dense</td>
<td>No core</td>
</tr>
<tr>
<td>10 - 41.8</td>
<td>0</td>
<td>Dense</td>
<td>Easily friable, decomposed clinker</td>
</tr>
<tr>
<td>18 - 42.0</td>
<td>14</td>
<td>Dense</td>
<td>Sparsely vesicular, medium gray, non-porphyrhythic aa</td>
</tr>
<tr>
<td>19 - 49.0</td>
<td>17</td>
<td>Dense</td>
<td>D0; in places almost non-vesicular</td>
</tr>
<tr>
<td>26 - 45.0</td>
<td>8</td>
<td>Dense</td>
<td>D0</td>
</tr>
<tr>
<td>27 - 52.1</td>
<td>60</td>
<td>Dense</td>
<td>D0; in places almost non-vesicular</td>
</tr>
<tr>
<td>31 - 61.0</td>
<td>43</td>
<td>Dense</td>
<td>D0</td>
</tr>
<tr>
<td>8 - 67.0</td>
<td>10</td>
<td>Dense</td>
<td>No core, log says &quot;clinker&quot;</td>
</tr>
<tr>
<td>10 - 73.0</td>
<td>65</td>
<td>Dense</td>
<td>Sparsely vesicular, medium gray aa, medially abundant phenocrysites of olivine</td>
</tr>
<tr>
<td>7 - 81.5</td>
<td>66</td>
<td>Dense</td>
<td>D0</td>
</tr>
<tr>
<td>5 - 89.9</td>
<td>10 1/2</td>
<td>Dense</td>
<td>D0; sparsely to very sparsely vesicular</td>
</tr>
<tr>
<td>9 - 92.0</td>
<td>11 1/2</td>
<td>Dense</td>
<td>D0; cover is reddened on clinkerly</td>
</tr>
<tr>
<td>0 - 93.6</td>
<td>10 1/2</td>
<td>Vesicular</td>
<td>Moderately vesicular, clinker, medium gray aa; non-porphyrhythic</td>
</tr>
<tr>
<td>6 - 95.2</td>
<td>7</td>
<td>Dense</td>
<td>Finitely decomposed clinker</td>
</tr>
</tbody>
</table>
| 12 - 97.1   | 15                  | Vesicular | Moderately to sparsely vesicular, medium gray, locally clinkerly aa, with a few scattered phenocrysites of felspar.
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.3 - 105.0</td>
<td>Dense, friable decomposed clinker</td>
</tr>
<tr>
<td>2.8 - 114.5</td>
<td>Dense, medium gray, sparingly vesicular, acid, with a few scattered phenocrysts of feldspar</td>
</tr>
<tr>
<td>2.9 - 124.5</td>
<td>Dense, moderately to slightly vesicular, dark gray acid, with abundant phenocrysts of clinopyroxene and augite</td>
</tr>
<tr>
<td>4.1 - 148.5</td>
<td>Dense, slightly vesicular, dark gray acid, with a few scattered phenocrysts of feldspar</td>
</tr>
<tr>
<td>8.8 - 155.8</td>
<td>Dense, slightly reddened</td>
</tr>
<tr>
<td>12.6 - 174.7</td>
<td>Vesicular, moderately to sparingly vesicular, dark gray acid, with abundant phenocrysts of clinopyroxene and augite</td>
</tr>
</tbody>
</table>

Note: The page contains handwritten data with some overlapping and unclear entries.