Head Measured
14.8'
by USGS
1-87
(removal 6-87)
LJ
June 4, 1982

Division of Water and Land Development
P. O. Box 373
Honolulu, HI 96809

ATTENTION: MR. DANIEL LUM

PANAEWA THIRD WELL
JOB NO. 22-HW-30

Attached are two prints of the Panaewa Well No. 1 formation data for your information and use as requested while you were here in Hilo last week.

Should you need further information, please call us.

H. William Sewake
Manager

...Water brings progress...
### PANAЕWА WЕLL SITE

#### EXISTING WЕLL

<table>
<thead>
<tr>
<th></th>
<th>NO. 1</th>
<th>NO. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>206</td>
<td>201</td>
</tr>
<tr>
<td>Static Water Level</td>
<td><strong>13.0'</strong></td>
<td><strong>13.0'</strong></td>
</tr>
<tr>
<td>Bottom of Cased Well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid Casing</td>
<td>-100</td>
<td>-100</td>
</tr>
<tr>
<td>Perforated Casing</td>
<td>-25.4</td>
<td>-14</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>-100</td>
<td>-100</td>
</tr>
<tr>
<td></td>
<td>186</td>
<td>-14</td>
</tr>
<tr>
<td>Bottom of Open Hole</td>
<td>No Open Hole</td>
<td>No Open Hole</td>
</tr>
<tr>
<td>Pumping Rate</td>
<td>1500 gpm</td>
<td>2100 gpm</td>
</tr>
<tr>
<td>Drawdown @ Pumping Rate</td>
<td></td>
<td>3'</td>
</tr>
<tr>
<td>Elevation of Top of Wells</td>
<td>(approx.) -8'</td>
<td></td>
</tr>
<tr>
<td>Casing Size</td>
<td>16&quot; I.D.</td>
<td>18&quot; I.D.</td>
</tr>
</tbody>
</table>

*Fluctuates as high as 26' during rainy periods. +Drawdown is when both pumps are running.

#### PROPOSED WЕLL

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>(approx.) 205'</td>
<td></td>
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<tr>
<td>Expected Water Level</td>
<td>13'</td>
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<tr>
<td>Bottom of Cased Well</td>
<td></td>
<td></td>
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<tr>
<td>Solid Casing</td>
<td>-80</td>
<td></td>
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<tr>
<td>Perforated Casing</td>
<td>-40</td>
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<tr>
<td>Cement Grout</td>
<td>-80</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-40</td>
<td></td>
</tr>
<tr>
<td>Bottom of Open Hole</td>
<td>-100</td>
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<tr>
<td>Desired Pumping Rate</td>
<td>2500 to 3000 gpm</td>
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</tr>
<tr>
<td>Expected Drawdown</td>
<td>2.5'</td>
<td></td>
</tr>
<tr>
<td>Casing Size</td>
<td>18&quot;</td>
<td></td>
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</table>
Division of Water and Land Development  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 373  
Honolulu, Hawaii 96809

Attention: Mr. Robert T. Chuck, Manager-Engineer

Gentlemen:

We enclose, for your files, a copy of the drilling log for a well we drilled and completed for the Hawaii County Board of Water Supply.

The well was drilled under sub-contract with Layne International, Inc. at Panaewa, Island of Hawaii, as part of the Board of Water Supply's Kanoelehua-Panaewa Water System.

Very truly yours,

ROSCOE MOSS COMPANY

Loran H. Runnells  
District Manager

LHR:hs  
Encl
WAIKAA-PAANA DEEP WELL NO. 1
WALAIKEA-PANA DEEP WATER SYSTEM
Waikeha, District of South Koloa
County of Kauai, State of
Hawaii

Waikeha, District of South Koloa
County of Hawaii, State of
Hawaii

92
Pacific Drilling Co.

Bucyrus-Erie 60-4

106.10 feet above NSL

306.30 feet

22" dia. from ground level to depth of 239.80 feet
19" dia. from the end of 239.80 foot depth to bottom of hole for dist. of 66.5 feet

Minus 100.20 feet below NSL

3/12 to 10/4/63

10/23 to 10/24/63

24 hours

192.98 feet

222.79 feet

210.04 feet above NSL

Minus 12.75 feet below NSL

Plus 13.12 feet above NSL

1.60 feet

Immediate

8.0 ppm

80° F

16 inches

15 3/8 inches

5/16 inch

219.80 feet

16 inches

15 3/8 inches

5/16 inch

12 1/2" inches

12 inches

1/4 inch

19.92 feet of 16-in. OD casing

30.30 feet of 12 1/2" OD

219.42 feet

Gr. 3 crushed rock