Form 8810-1

STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3645 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 1952-40
ISLAND: OAHU

WELL NAME OR DESIGNATION: HCC P-1

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR
Firm name: U.H. Dept of Geology
Contact person: Dr. Frank Peterson
Address: 2525 Correa St.
Honolulu, HI
Zip: 96822 Phone: 

B. OWNER OF WELL SITE
Firm name: University of Hawaii
Contact person: Frank Peterson
Address: Geology & Geophysics Dept
Honolulu, HI
Zip: 96822 Phone: 

C. WELL LOCATION
Tax Map Key: 1-5-18-2 Town, Place, District: Honolulu, Oahu, Hi
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 
Reference point (Used to measure depth to water): 
Elevation: 
Description: ground surface
Depth to water (Below reference point): 
Maximum recorded chloride: 
Minimum recorded chloride: 
Maximum chloride in 1987: 
Salinity = 6.0 ppt (11,000 micromhos conductivity)

E. INSTALLED PUMP DATA
Pump type: [ ] Vertical shaft [ ] Submersible [ ] Centrifugal [ ] Other (specify): 
Power: [ ] Diesel, ___ HP [ ] Gas, ___ HP [ ] Electric, ___ HP [ ] Other (specify): 
Pump capacity: ____ gallons per minute
Pump installation contractor: 

[continued over]

For Official Use Only:
Date received: 4-6-99 Date accepted: 
Field checked by: Date: 
Comments: 

Latitude: 21° 19' 92" Hydrologic Unit: 
Longitude: 157° 52' 22" State Well No.: 1952-40

References: Hawaii Revised Statutes, Chapter 174C. 
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: ☐ Daily ☐ Weekly ☐ Monthly ☐ Other (describe): 
Method of measurement: ☐ Flow Meter ☐ Orifice ☐ Other (describe):

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form; for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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ANNUAL

Minimum day's use: _______ gallons Maximum day's use: _______ gallons
Typical times of usage:

Type of Use (check all category boxes that apply and provide additional information as indicated):

Category
☐ Municipal (including resorts, hotels, businesses)
☐ Domestic (systems serving 25 people or less)
☐ Irrigation
☐ Industrial
☐ Military
☐ Other

Additional Information
Number of service connections: __________

Acres Irrigated:
Crop(s): ☐ Sugar ☐ Pineapple
☐ Other (specify):
Non-Crop: ☐ Landscape ☐ Golf Course
☐ Other (specify):

Method: ☐ Drip ☐ Furrow ☐ Sprinkler
☐ Cooling ☐ Manufacturing ☐ Mill
☐ Other (specify):

Specify (livestock, aquaculture, etc.): ______

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: __________________________ Date: 3/30/89
Printed Name: Frank Peterson
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UH
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone (808) 586-4000 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 1952-41
WELL NAME OR DESIGNATION: W.E.C. 0-1
ISLAND: OAHU

A. WELL OPERATOR
Firm name: H.I. Dept. of Education
Contact person: DR. FRANK PETERSON
Address: 7525 CORNER ST.
Honolulu, HI
Zip: 96830 Phone: __________

B. OWNER OF WELL SITE
Firm name: University of Hawaii
Contact person: Frank Peterson
Address: Geology & Geophysics Dept
Honolulu, HI
Zip: 96822 Phone: 248-7897

C. WELL LOCATION
Tax Map Key: 1-5-18-2
Town, Place, District: Honolulu, Oahu, HI
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): ______ ft.
Reference point (Used to measure depth to water): ______
Elevation: ______ ft.
Description: ground surface

Depth to water (Below reference point): ______ ft.
Maximum recorded chloride: ______ ppm
Minimum recorded chloride: ______ ppm
Maximum chloride in 1987: ______ ppm
Salinity = 6.0 ppt (13,000 microsiemens conductivity)

E. INSTALLED PUMP DATA
Pump type: Vertical shaft
Submersible
Centrifugal
Other (specify): ______
Power: Diesel, ______ HP
Gas, ______ HP
Electric, ______ HP
Other (specify): ______
Pump capacity: ______ gallons per minute
Pump installation contractor: ______

... (continued over)

For Official Use Only:
Date received: 4-5-41
Date accepted: ______
Field checked by: ______ Date: ______
Latitude: ______ E. 19' 32"
Long: ______ S. 62' 22"
Hydrologic Unit: ______

State Well No.: 1952-41

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: ◯ Daily ◯ Weekly ◯ Monthly  
Method of measurement: ◯ Flow Meter ◯ Orifice  
Other (describe):  

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):  

WATER USE, IN GALLONS x 1000

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Minimum day’s use: ________ gallons  Maximum day’s use: ________ gallons
Typical times of usage: ________________________________

Type of Use (Check all category boxes that apply and provide additional information as indicated):  

- Municipal (including hotels, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation
- Industrial
- Military
- Other

Additional Information:

Type of Use:  
- Municipal (including hotels, businesses):  
- Domestic (systems serving 25 people or less):  
- Irrigation:  
- Industrial:  
- Military:  
- Other:  

Number of service connections: ________  
Acres irrigated: ________  
Crop(s):  
- Sugar  
- Pineapple  
- Other (specify):  
Non-Crop:  
- Landscape  
- Golf Course  
- Other (specify):  
Method:  
- Drip  
- Furrow  
- Sprinkler  
- Cooling  
- Manufacturing  
- Mill  
- Other (specify):  

Specify (livestock, aquaculture, etc.):  

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User’s Signature:  
Printed Name: Frank Peterson  
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UN  
Date: 3/30/89
### Registration of Well and Declaration of Water Use

**STATE OF HAWAII**
**COMMISSION ON WATER RESOURCE MANAGEMENT**
**DEPARTMENT OF LAND AND NATURAL RESOURCES**
**DIVISION OF WATER RESOURCE MANAGEMENT**

**REGISTRATION OF WELL AND DECLARATION OF WATER USE**

**INSTRUCTIONS:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96806. Phone 548-2929 for assistance.

**BATTERY OF WELLS:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

<table>
<thead>
<tr>
<th>STATE WELL NO.: 1952-42</th>
<th>ISLAND: OAHU</th>
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<tbody>
<tr>
<td>WELL NAME OR DESIGNATION: AKC 0-2</td>
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<tr>
<td>SOURCE OR STATION NAME: (For a battery of wells):</td>
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</tbody>
</table>

**A. WELL OPERATOR**
- Firm name: H H DEPT. OF GEOLOGY
- Contact person: Dr. FRANK PETERSON
- Address: 25-76 CARRERA ST.
- Zip: 96722 Phone: 

**B. OWNER OF WELL SITE**
- Firm name: UNIVERSITY OF HAWAII
- Contact person: Frank Peterson
- Address: GEOL & GEOPHYSICS DEPT.
- Honolulu, HI
- Zip: 96822 Phone: 948-7807

**C. WELL LOCATION**
- Tax Map Key: 1-5-18-2
- Town, Place, District: HONOLULU, OAHU, HI
- Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

**D. WELL DATA**
- For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
- For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

  - **Ground elevation (mean sea level):** 9 ft.
  - **Reference point (used to measure depth to water):** Elevation: 9 ft.
  - **Description:** ground surface
  - **Depth to water (below reference point):** 8 ft.
  - **Maximum recorded chloride:** ppm
  - **Minimum recorded chloride:** ppm
  - **Maximum chloride in 1987:** ppm
  - **Salinity:** 5.7 ppt (10,000 microsiemens conductivity)
  - **Year drilled or constructed:** 1987
  - **Well contractor:** WALTER LUM ASSOCIATES
  - **Casing diameter:** 2.5 in.
  - **Solid casing depth (below ground):** 10 ft.
  - **Perforated casing depth (below ground):** 20 ft.
  - **Total depth of well:** 30 ft.
  - **Minimum chloride in 1987:** ppm

**E. INSTALLED PUMP DATA**
- **Type:** NONE
- **Power:** Diesel, 0 HP
- **Pump capacity:** gallons per minute
- **Pump installation contractor:** 

**For Official Use Only:**
- **Date received:** 4-5-89
- **Date accepted:**
- **Field checked by:** J. G. Date: 
- **Comments:**

**Latitude:** 21° 19' 22" **Hydrologic Unit:** 1952-42

**Longitude:** 157° 32' 22" **State Well No.:** 1952-42

**References:**
- Hawaii Revised Statutes, Chapter 174C.
- Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly
□ Other (Describe):

Method of measurement: □ Flow Meter □ Orifice
□ Other (Describe):

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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Minimum day's use: ___________ gallons  Maximum day's use: ___________ gallons
Typical times of usage: ____________________________

Type of Use (check all category boxes that apply and provide additional information as indicated):

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
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<tbody>
<tr>
<td>□ Municipal (including resorts, hotels, businesses)</td>
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<td>□ Domestic (systems serving 25 people or less)</td>
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<td>□ Irrigation</td>
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<td>□ Other (specify):</td>
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<td>Acres Irrigated:</td>
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<td>Crop(s): □ Sugar</td>
<td>□ Grape</td>
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<td>□ Other (specify):</td>
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<td>Non-Crop: □ Landscape</td>
<td>□ Golf Course</td>
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<td>□ Other (specify):</td>
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<td>Method: □ Drip</td>
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<td>□ Other (specify):</td>
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<td>□ Other</td>
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<td>Specify (livestock, aquaculture, etc.):</td>
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</tbody>
</table>

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: __________________________ Date: 3/30/89
Printed Name: Frank Petersen
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UI
REGISTRATION OF WELL AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone or for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 1962-A3
WELL NAME OR DESIGNATION: K C 0-3
ISLAND: OAHU

A. WELL OPERATOR
Firm name: U.H. Dept. of Geology
Contact person: Dr. Frank Peterson
Address: 2525 Correa St.
Honolulu, HI 96822
Zip: 96822 Phone: 948-7897

B. OWNER OF WELL SITE
Firm name: University of Hawaii
Contact person: Frank Peterson
Address: Geology & Geophysics Dept.
Honolulu, HI 96822
Zip: 96822 Phone: ________

C. WELL LOCATION
Tax Map Key: 1-5-18-2 Town, Place, District: Honolulu, Oahu, HI
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 9 ft.
Elevation: 9 ft.
Description: ground surface

Reference point (Used to measure depth to water): 9 ft.

Depth to water (Below reference point): 8 ft.

Maximum recorded chloride: ppm
Minimum recorded chloride: ppm

Maximum chloride in 1987: ppm
Salinity = 7.2 ppt (13,000 microehors conductivity)

E. INSTALLED PUMP DATA
Pump type: Vertical shaft
Submersible
Centrifugal
Other (specify): ________

Power: Diesel, HP
Gas, HP
Electric, HP
Other (specify): ________

Pump capacity: ________ gallons per minute

Pump installation contractor: ________

(continued over)

For Official Use Only:
Date received: April 30, 1963
Date accepted: ________

Field checked by: ________ Date: ________
Comments: ________

Latitude: 21° 19' 26"
Longitude: 157° 52' 26"
Hydrologic Unit: ________ State Well No.: 1962-A3

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State’s water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: [ ] Daily  [ ] Weekly  [ ] Monthly
[ ] Other (describe): ____________________________

Method of measurement: [ ] Flow Meter  [ ] Orifice
[ ] Other (describe): ____________________________

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

<table>
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<tr>
<th>WATER USE, IN GALLONS x 1000</th>
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</table>

[ ] Minimum day’s use: ____________________________ gallons
[ ] Maximum day’s use: ____________________________ gallons

Typical times of usage: ____________________________

Type of Use (Check all category boxes that apply and provide additional information as indicated):

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
</tr>
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<tbody>
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<td>[ ] Municipal (including resorts, hotels, businesses)</td>
<td>____________________________</td>
</tr>
<tr>
<td>[ ] Domestic (systems serving 25 people or less)</td>
<td>Number of service connections: ____________________________</td>
</tr>
<tr>
<td>[ ] Irrigation</td>
<td>Acres irrigated: ____________________________</td>
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<td></td>
<td>Crop(s): [ ] Sugar  [ ] Pineapple</td>
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<td>[ ] Other (specify): ____________________________</td>
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<td></td>
<td>Non-Crop: [ ] Landscape  [ ] Golf Course</td>
</tr>
<tr>
<td></td>
<td>[ ] Other (specify): ____________________________</td>
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<td></td>
<td>Method: [ ] Drip  [ ] Furrow  [ ] Sprinkler</td>
</tr>
<tr>
<td>[ ] Industrial</td>
<td>____________________________</td>
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<td>[ ] Cooling  [ ] Manufacturing  [ ] Mill</td>
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<td></td>
<td>[ ] Other (specify): ____________________________</td>
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<tr>
<td>[ ] Military</td>
<td>____________________________</td>
</tr>
<tr>
<td>[ ] Other</td>
<td>Specify (livestock, aquaculture, etc.): ____________________________</td>
</tr>
</tbody>
</table>

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User’s Signature: ____________________________  Date: 3/30/89
Printed Name: Frank Peterson
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UH
## Registration of Well and Declaration of Water Use

**State of Hawaii**

**Commission on Water Resource Management**

**Department of Land and Natural Resources**

**Division of Water Resource Management**

**Division of Water & Land Development**

**Instructions:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible. Sign and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96806. Phone 948-7897 for assistance.

**Battery of Wells:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

### A. Well Operator
- **Firm name:** University of Hawaii
- **Contact person:** Frank Peterson
- **Address:** Geology & Geophysics Dept., Honolulu, Hi
- **Zip:** 96822
- **Phone:** 948-7897

### B. Owner of Well Site
- **Firm name:** University of Hawaii
- **Contact person:** Frank Peterson
- **Address:** Geology & Geophysics Dept., Honolulu, Hi
- **Zip:** 96822
- **Phone:** 948-7897

### C. Well Location
- **Tax Map Key:** 1-5-18-2
- **Town, Place, District:** Honolulu, Oahu, Hi
- **Attach USGS "Quad" map (scale 1:24,000), tax map; or other map showing the well location.**

### D. Well Data
- **Ground elevation (mean sea level):** 9 ft.
- **Reference point (used to measure depth to water):** 9 ft.
- **Elevation:**
  - **Description:** ground surface
- **Depth to water (below reference point):** 8 ft.
- **Maximum recorded chloride:** __ ppm
- **Minimum recorded chloride:** __ ppm
- **Maximum chloride in 1987:** __ ppm
- **Salinity = 7.0 ppt (12,500 micromhos conductivity)**

### E. Installed Pump Data
- **Pump type:** Vertical shaft
- **Power:** Diesel, __ HP
- **Pump capacity:** __ gallons per minute
- **Pump installation contractor:**

### For Official Use Only
- **Date received:** 4-6-89
- **Date accepted:**
- **Latitude:** 21° 19' 52"
- **Longitude:** 151° 58' 22"
- **Hydrologic Unit:**
- **State Well No.:** 1968-4A

**References:**
- Hawaii Revised Statutes, Chapter 174C.
- Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  □ Daily  □ Weekly  □ Monthly
Method of measurement:  □ Flow Meter  □ Orifice  □ Other (describe):

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

<table>
<thead>
<tr>
<th></th>
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<td>ANNUAL</td>
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</tr>
</tbody>
</table>

Minimum day's use: _______ gallons  Maximum day's use: _______ gallons
Typical times of usage: ____________________________

Type of Use (Check all category boxes that apply and provide additional information as indicated):

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Municipal (including reconts, hotels, businesses)</td>
<td></td>
</tr>
<tr>
<td>□ Domestic (systems serving 25 people or less)</td>
<td></td>
</tr>
<tr>
<td>□ Irrigation</td>
<td>Acres Irrigated: _______</td>
</tr>
<tr>
<td></td>
<td>Crop(s): □ Sugar □ Pineapple</td>
</tr>
<tr>
<td></td>
<td>Non-Crop: □ Landscape □ Golf Course</td>
</tr>
<tr>
<td></td>
<td>□ Other (specify): _______</td>
</tr>
<tr>
<td></td>
<td>Method: □ Drip □ Furrow □ Sprinkler</td>
</tr>
<tr>
<td>□ Industrial</td>
<td>□ Cooling □ Manufacturing □ Mill</td>
</tr>
<tr>
<td>□ Military</td>
<td>□ Other (specify): _______</td>
</tr>
<tr>
<td>□ Other</td>
<td>Specify (livestock, aquaculture, etc.):</td>
</tr>
</tbody>
</table>

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ____________________________ Date: 3/30/89
Printed Name: Frank Peterson
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UN
**REGISTRATION OF WELL AND DECLARATION OF WATER USE**

**INSTRUCTIONS:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3948 or 548-7543 for assistance.

**BATTERY OF WELLS:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

<table>
<thead>
<tr>
<th>STATE WELL NO.</th>
<th>1952-45</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL NAME OR DESIGNATION</td>
<td>HCL 0-5</td>
</tr>
<tr>
<td>ISLAND</td>
<td>Oahu</td>
</tr>
</tbody>
</table>

**SOURCE OR STATION NAME**

(A battery of wells)

<table>
<thead>
<tr>
<th>A. WELL OPERATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firm name: U.H. DEPT. OF GEOLOGY</td>
</tr>
<tr>
<td>Contact person: DR. FRANK PETERSON</td>
</tr>
<tr>
<td>Address: 8425 Career St.</td>
</tr>
<tr>
<td>Honolulu, HI</td>
</tr>
<tr>
<td>Zip: 96822</td>
</tr>
<tr>
<td>Phone:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. OWNER OF WELL SITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firm name: University of Hawaii</td>
</tr>
<tr>
<td>Contact person: Frank Peterson</td>
</tr>
<tr>
<td>Address: Geology &amp; Geophysics Dept.</td>
</tr>
<tr>
<td>Honolulu, HI</td>
</tr>
<tr>
<td>Zip: 96822</td>
</tr>
<tr>
<td>Phone:</td>
</tr>
</tbody>
</table>

**C. WELL LOCATION**

Tax Map Key: 1-5-18-2  Town, Place, District: Honolulu, Oahu, HI

Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

**D. WELL DATA**

For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below. For Tunnels and shafts, submit construction drawings, plot plan, or sketch map.

- **Ground elevation (mean sea level):** 9 ft.
- **Reference point (used to measure depth to water):** Elevation: 9 ft.
- **Description:** Ground Surface
- **Depth to water (below reference point):** 8 ft.
- **Maximum recorded chloride:** ppm
- **Minimum recorded chloride:** ppm
- **Maximum chloride in 1987:** ppm
- **Salinity:** 7.0 ppt (12,500 micromhos conductivity)

**E. INSTALLED PUMP DATA**

- **Pump type:**
  - Vertical shaft
  - Submersible
  - Centrifugal
  - Other (specify): 
- **Power:**
  - Diesel, ___ HP
  - Gas, ___ HP
  - Electric, ___ HP
  - Other (specify): 
- **Pump capacity:** gallons per minute
- **Pump installation contractor:**

(continued over)

For Official Use Only:

- **Date received:** 4-6-49
- **Date accepted:**
- **Latitude:** 21°19'29"
- **Longitude:** 151°32'22"
- **State Well No.:** 1952-45

References: Hawaii Revised Statutes, Chapter 174C.

Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly

Method of measurement: □ Flow Meter □ Orifice □ Other (describe):

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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</tbody>
</table>

Minimum day's use: ___________ gallons Maximum day's use: ___________ gallons

Typical times of usage: __________________________________________________________

Type of Use (check all category boxes that apply and provide additional information as indicated):

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<td>Acres Irrigated: ___________</td>
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<td>□ Other</td>
<td>□ Other (specify): ___________</td>
</tr>
</tbody>
</table>

Specify (livestock, aquaculture, etc.): ___________ 

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ___________________________ Date: 3/30/89
Printed Name: ___________ Firm or Title (Well Operator, etc.): ___________
REGISTRATION OF WELL AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 948-7897 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE OF HAWAII

COMMISSION ON WATER RESOURCE MANAGEMENT

DEPARTMENT OF LAND AND NATURAL RESOURCES

DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL AND DECLARATION OF WATER USE

STATE WELL NO.: 1948-AL

WELL NAME OR DESIGNATION: HEC-0-6

ISLAND: OAHU

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR

Firm name: U.H. DEP'T OF GEOLOGY

Contact person: Dr. Frank Peterson

Address: 9450 Corner St.

Honolulu, HI

Zip: 96822 Phone: ________________

B. OWNER OF WELL SITE

Firm name: University of Hawaii

Contact person: Frank Peterson

Address: Geology & Geophysics Dept.

Honolulu, HI 96822

Zip: 96822 Phone: 948-7897

C. WELL LOCATION

Tax Map Key: 1-5-18-2 Town, Place, District: Honolulu, Oahu, HI

Attach USGS “Quad” map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA

For Drilled Wells, submit “as-built” drawing, driller’s log, and pump test results, and complete items below.

For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 9 ft.

Reference point (Used to measure depth to water):

Elevation: ________________ ft.

Description: Ground surface

Depth to water (below reference point): ________________ ft.

Maximum recorded chloride: ________________ ppm

Minimum recorded chloride: ________________ ppm

Maximum chloride in 1987: ________________ ppm

Salinity = 6.0 ppt (11,000 micromhos conductivity)

E. INSTALLED PUMP DATA

NONE

For Official Use Only:

Date received: A-G-89 Date accepted: ________________

Field checked by: ________________ Date: ________________

Latitude: ________________ W 19° 29'

Longitude: 151° 52' 22" State Well No.: 1948-AL

Hydrologic Unit: ________________

Comments: ________________ (continued over)

References: Hawaii Revised Statutes, Chapter 1740.

Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly

Method of measurement: □ Flow Meter □ Orifice □ Other (describe): 

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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<tr>
<td>May</td>
<td>NONE - OBSERVATION WELL ONLY</td>
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</table>

Minimum day's use: ___________ gallons Maximum day's use: ___________ gallons
Typical times of usage: ____________________________

Type of Use (Check all category boxes that apply and provide additional information as indicated):

<table>
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<th>Category</th>
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<td>Number of service connections: ___________</td>
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<td>Acres Irrigated:</td>
</tr>
<tr>
<td>Irrigation</td>
<td>Sugar</td>
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<tr>
<td>□ Other (specify):</td>
<td>Non-Crop:</td>
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<tr>
<td>□ Other (specify):</td>
<td>Method:</td>
</tr>
<tr>
<td>□ Industrial</td>
<td>Cooling</td>
</tr>
<tr>
<td>□ Military</td>
<td></td>
</tr>
<tr>
<td>□ Other</td>
<td>Specify (livestock, aquaculture, etc.):</td>
</tr>
</tbody>
</table>

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ___________________________ Date: 3/30/89
Printed Name: Frank Peterson
Firm or Title (Well Operator, etc.): Professor of Hydrogeology, UN
**STATEMENT OF WATER AND LAND DEVELOPMENT**

### DRILLER'S REPORT

**DESCRIPTION**

- **Date of report:** June 1, 1987
- **Person filing report:** Frank Peterson

<table>
<thead>
<tr>
<th>OWNER</th>
<th>UNIVERSITY OF HAWAII</th>
<th>NAME</th>
<th>P-1</th>
<th>ISLAND</th>
<th>OAHU</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL LOCATION</td>
<td>HONOLULU COMMUNITY COLLEGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRILLING COMPANY</td>
<td>WALTER LUM ASSOCIATES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE OF RIG</td>
<td>HOLLOW STEM AUGER DRILLING COMPLETED 5/15/87</td>
<td></td>
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</tr>
</tbody>
</table>

**ELEVATION, msl:**
- Top of drilling platform: 9 ft. Bench mark and method used to determine
- Height of drilling platform above ground surface: 9 ft. elevation:

**HOLE SIZE:**
- 9 inch dia. to 40 ft. below drilling platform.
- 5 inch dia. to 10 ft. below drilling platform.
- 10 inch dia. to 34 ft. below drilling platform.

**CASING INSTALLED:**
- 6 in. I.D. x 1/2 in. wall solid section to 10 ft. below drilling platform.
- 6 in. I.D. x 1/2 in. wall perforated section to 34 ft. below drilling platform.
- Type of perforation: slotted PVC.

**ANNULUS:**
- Grouted: 0 ft. to 5 ft. below drilling platform.
- Gravel packed: 5 ft. to 34 ft. below drilling platform.

**PERMANENT PUMP INSTALLATION:**
- Pump type, make, serial no.: NONE
- Capacity: g.p.m.
- Motor type, H.P., voltage, r.p.m.: ..... Capacity: g.p.m.
- Depth of pump intake setting: ft. below which elevation is ft.
- Depth of bottom of pipeline: ft. below which elevation is ft.

**HYDROLOGY**

<table>
<thead>
<tr>
<th>INITIAL WATER LEVEL</th>
<th>9 ft. below drilling platform, Date of measurement: 5/12/87</th>
</tr>
</thead>
<tbody>
<tr>
<td>INITIAL CHLORIDE</td>
<td>ppm, total depth of well 34 ft. below drilling platform</td>
</tr>
</tbody>
</table>

**PUMPING TESTS:**
- Reference point (R.P.) used: which elevation is ft.
- Sampling Date: 
- Date: 
  - Start water level ft. below R. P.
  - End water level ft. below R. P.
  - Depth of well ft. below R. P.

<table>
<thead>
<tr>
<th>Elapsed Time (hours)</th>
<th>Rate (gpm)</th>
<th>Draw down (ft.)</th>
<th>Cl- (ppm)</th>
<th>Temp. °F</th>
<th>Elapsed Time (hours)</th>
<th>Rate (gpm)</th>
<th>Draw down (ft.)</th>
<th>Cl- (ppm)</th>
<th>Temp. °F</th>
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**SUBSURFACE FORMATION**

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<tbody>
<tr>
<td>to</td>
<td>SEE-ATTACHED LOG</td>
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</tbody>
</table>

**REMARKS:** pumped only few days/year with portable gasoline pump; educational purposes

---

**FOR OFFICIAL USE**

- **Latitude:** 21° 19' 32"
- **Longitude:** 151° 52' 22"
- **Well No:** 1952-40
DESCRIPTION

Date of report: June 1, 1987. Person filing report: Frank Peterson.

A. OWNER: University of Hawaii NAME: O-1 thru O-5. ISLAND: Oahu.

B. GENERAL LOCATION: Honolulu Community College.

C. DRILLING COMPANY: Walter Lum Associates.


E. ELEVATION, msl: Top of drilling platform 9.0 ft. Bench mark and method used to determine height of drilling platform above ground surface 9.0 ft. elevation.

F. HOLE SIZE: 6-in. dia. to 40 ft. below drilling platform.

G. CASING INSTALLED: 2% in. I.D. x 3/4 in. wall solid section to 10 ft. below drilling platform.

H. ANNULUS: Grouted 0 ft. to 5 ft. below drilling platform.

I. PERMANENT PUMP INSTALLATION:

   • Pump type, make, serial no.: NONE.
   • Capacity: gpm.
   • Motor type, H.P., voltage, r.p.m.: NONE.
   • Depth of pump intake setting: ft. below which elevation is ft.
   • Depth of bottom of airline: ft. below which elevation is ft.

HYDROLOGY

J. INITIAL WATER LEVEL: 9 ft. below drilling platform. Date of measurement: 5/15/87.

K. INITIAL CHLORIDE: ppm, total depth of well 39 ft. below drilling platform.

L. PUMPING TESTS:

   Reference point (R.P.) used: which elevation is ft.
   Date
   Start water level ft. below R. P. Start water level ft. below R. P.
   End water level ft. below R. P. End water level ft. below R. P.
   Depth of well ft. below R. P. Depth of well ft. below R. P.

   Elapsed Time (hours) Rate (gpm) Drawdown (ft.) Cl- (ppm) Temp. °F
   Elapsed Time (hours) Rate (gpm) Drawdown (ft.) Cl- (ppm) Temp. °F
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SUBSURFACE FORMATION

M. DRILLER’S LOG:

   Depth, ft. Rock Description & Remarks
   Water Level ft. Depth, ft. Rock Description & Remarks
   Water Level ft.
   to to to to to to to
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**DESCRIPTION**

Date of report: June 1, 1987
Person filing report: Frank Peterson

A. OWNER: University of Hawaii NAME: O-6 ISLAND: Oahu
B. GENERAL LOCATION: Honolulu Community College
C. DRILLING COMPANY: Walter Lum Associates
D. TYPE OF RIG: Hollow stem auger DRILLING COMPLETED: 5/15/87 DRILLER: Teye

E. ELEVATION, msl: Top of drilling platform 9 ft. Bench mark and method used to determine Height of drilling platform above ground surface 0 ft. elevation:

F. HOLE SIZE: 8 inch dia. to 40 ft. below drilling platform. 8 inch dia. to 40 ft. below drilling platform.

G. CASING INSTALLED: in. I.D. x in. wall solid section to ft. below drilling platform. triple casing in. I.D. x in. wall perforated section to ft. below drilling platform. see drawing

H. ANNULUS: Grouted ft. to ft. below drilling platform.
   Gravel packed ft. to ft. below drilling platform.

I. PERMANENT PUMP INSTALLATION:
   - Pump type, make, serial no. None
   - Capacity g.p.m.
   - Motor type, H.P., voltage, r.p.m.
   - Depth of pump intake setting ft. below ft. below R. P. which elevation is ft.
   - Depth of bottom of airline ft. below ft. below R. P. which elevation is ft.

**HYDROLOGY**

J. INITIAL WATER LEVEL: 9 ft. below drilling platform. Date of measurement: 5/15/87
K. INITIAL CHLORIDE: ppm, total depth of well ft. below drilling platform

L. PUMPING TESTS: Reference point (R.P.) used: which elevation is ft.

<table>
<thead>
<tr>
<th>Date</th>
<th>Start water level</th>
<th>Rate (gpm)</th>
<th>Draw-down (ft.)</th>
<th>Cl- (ppm)</th>
<th>Temp. °F</th>
<th>Depth of well</th>
<th>Start water level</th>
<th>Rate (gpm)</th>
<th>Draw-down (ft.)</th>
<th>Cl- (ppm)</th>
<th>Temp. °F</th>
<th>Depth of well</th>
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<tbody>
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**SUBSURFACE FORMATION**

M. DRILLER'S LOG:

<table>
<thead>
<tr>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level</th>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level</th>
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</thead>
<tbody>
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N. REMARKS: 3 nested pizometers; bottom 2 ft. of each perforated, rest solid casing

**FOR DRILLER'S USE**

Job Name
Job No.

**INSTRUCTIONS**: Send three(3) copies to: Manager-Chief Engineer, Division of Water and Land Development, P. O. Box 373, Honolulu, Hawaii 96809.


**FOR OFFICIAL USE**

Latitude 21°19'19"
Longitude 158°52'29"
Well No. 1957-46
**LOG OF BORING**

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>W.C. Woods</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION</td>
<td></td>
</tr>
</tbody>
</table>

**Type of Boring**: B-401

**Driller**: W. Lum

**Date**: 5-11-87

**Diam.**: 4' 6"

**Elev.**

**Datum**

**Field Party**: Meyers, Amedo

**Water**

**Level**

**Time**

**Date**

<table>
<thead>
<tr>
<th>Rod:</th>
<th>[ ]</th>
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</thead>
<tbody>
<tr>
<td>Sampler:</td>
<td>Split Spoon</td>
</tr>
<tr>
<td>Thin Wall Tube</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Hammer:</th>
<th>[ ]</th>
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<tbody>
<tr>
<td>Weight</td>
<td>20 lb</td>
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<th>Auger:</th>
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<tr>
<td>T.C. Ended.</td>
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### DEPTH IN FEET AND CHANGE

<table>
<thead>
<tr>
<th>Sampler</th>
<th>Time</th>
<th>Depth of Casing</th>
<th>Sample</th>
<th>Sample</th>
<th>Blowes/ft</th>
<th>Recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-S</td>
<td>5'</td>
<td>D</td>
<td>6'</td>
<td>1 1/2</td>
<td>1/2</td>
<td>1 1/2</td>
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<tr>
<td>S-S</td>
<td>5'</td>
<td>E</td>
<td>6'</td>
<td>3 1/2</td>
<td>2 1/2</td>
<td>0 1/2</td>
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<td>S-S</td>
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<td>10'</td>
<td>4 1/2</td>
<td>3 1/2</td>
<td>0 1/2</td>
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<td>S-S</td>
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### DESCRIPTION

- Soil type, firmness, sampler driving records, depth and driving of casing, depth drilling mud used, groundwater variations and times.

<table>
<thead>
<tr>
<th>Soil</th>
<th>Graph</th>
</tr>
</thead>
<tbody>
<tr>
<td>STIFF - B.R. CLAYY &amp; W. SAND.</td>
<td></td>
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<tr>
<td>SOFT - B.R. CLAYY CLAY</td>
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<tr>
<td>SOFT - G.R. CLAY</td>
<td></td>
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<tr>
<td>MED DENSITY - L.I.G. CLAYY CLAY W/SOIL SHEL.</td>
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<tr>
<td>DENSE - L.G. CLAYY CLAY</td>
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<tr>
<td>DENSE - SAME AS ABOVE</td>
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<tr>
<td>STIFF - N.G. CLAYY CLAY W/SOIL CARB.</td>
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**Note:** Show location of borings by sketch in space provided or on back of first sheet of each day's work.

Walter Lum Associates, Inc.
Civil Engineers
**LOG OF BORING**

**BORING NO. 1**

**PROJECT:** UCC WELLS

**LOCATION:**

<table>
<thead>
<tr>
<th>Rod:</th>
<th>1/4 &quot;</th>
<th>Split Spoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampler:</td>
<td>2&quot;</td>
<td>Thin Wall Tube</td>
</tr>
<tr>
<td><strong>Hammer:</strong></td>
<td>16/1&quot;</td>
<td>Weight 20'/ Drop</td>
</tr>
<tr>
<td><strong>Auger:</strong></td>
<td>4&quot; x 1/4' steel</td>
<td></td>
</tr>
<tr>
<td><strong>Bit:</strong></td>
<td>1&quot; E:\1928</td>
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</tbody>
</table>

**Type of Boring:** B-40L

**Driller:** William Assoc.

**Date:** 5-11-87

**Diam:** 4" x 6'

**Elev.**

**Datum**

**Field Party:** Meyers, Aerts

**Water**

**Level**

**Time**

**Date**

<table>
<thead>
<tr>
<th>Sampler</th>
<th>Time</th>
<th>Depth of Casjng</th>
<th>Rod</th>
<th>Sample</th>
<th>Blow/ft</th>
<th>Sample</th>
<th>Depth Recovery</th>
<th>Depth</th>
<th>Soil</th>
<th>Change</th>
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<tbody>
<tr>
<td>S.S.</td>
<td>60</td>
<td>0.5'</td>
<td>1/5</td>
<td>0.5'</td>
<td>1.5'</td>
<td>4'</td>
<td></td>
<td>20</td>
<td></td>
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</tr>
<tr>
<td>S.S.</td>
<td>90</td>
<td>0.5'</td>
<td>1/5</td>
<td>2.5'</td>
<td>1.5'</td>
<td>4'</td>
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<tr>
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<td>120</td>
<td>0.5'</td>
<td>1/5</td>
<td>2.5'</td>
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<tr>
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<tr>
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<td>4'</td>
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<tr>
<td>S.S.</td>
<td>210</td>
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<td>1/5</td>
<td>2.5'</td>
<td>1.5'</td>
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<tr>
<td>S.S.</td>
<td>240</td>
<td>0.5'</td>
<td>1/5</td>
<td>2.5'</td>
<td>1.5'</td>
<td>4'</td>
<td></td>
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</tbody>
</table>

**DESCRIPTION:** Soil type, firmness, sampler driving records, depth and driving of casing, depth drilling mud used, groundwater variations and times.

- M.D. Density - Loamy clayey coral
- M.D. Density - Same as above
- Dense - Same as above
- Dense - M.D. Density - Same as above
- Loose - Loamy clayey coral
- Stiff - (n-argill clay) very weathered coral
- Stiff - Same as above
- Stiff - (n-argill) clay

**Note:** Show location of borings by sketch in space provided or on back of first sheet of each day's work.

**Walter Lum Associates, Inc.**

**Civil Engineers**
TO: Dr. Frank Peterson  
University of Hawaii Geology Department  
2525 Correa Road  
Honolulu, Hawaii 96822

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to drill one 6-inch diameter test well and three 3-inch diameter observation wells into the caprock aquifer, State Well Nos. 1952-40 to 43, for educational use is approved subject to the following conditions:

1. Driller's Well Completion Reports (enclosed) shall be submitted to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809, within 60 days after completion of the wells.

2. "As-built" drawings of the wells and a map showing the exact location of the wells shall be submitted upon completion of the wells.

3. The applicant shall comply with all applicable laws, rules, and ordinances.

Date of Issuance: Apr. 21, 1987

Chairperson of the Board

Enc. (Four Driller's Report Forms)
cc: USGS  
DOH, Drinking Water Program  
Honolulu BWS
NEW PUMPING WELL

FRESH WATER POND
(0.25 ACRE)

SCALE: 1 INCH = 20 FEET

- ULU COMMUNITY COLLEGE

STATE WELLS NO.

○ PUMPING WELL
○ OBSERVATION WELL

- ULU COMMUNITY COLLEGE

STATE WELLS NO.
AS-BUILT CONSTRUCTION PLANS

WELL P-1

- ground elev. = 9 ft
- grout = 5 ft
- solid PVC casing 6 in diam, 10 ft
- perforated PVC casing 6 in diam, 24 ft
- gravel pack = 29 ft
- total depth = 34 ft

WELLS 0-1 - 0-5

- ground elev. = 9 ft
- grout = 5 ft
- solid PVC casing 2½ in diam, 5 ft
- perforated PVC casing 2½ in diam, 34 ft
- gravel pack = 34 ft
- total depth = 39 ft

WELL 0-6

- ground elev. = 9 ft
- grout = 5 ft
- solid PVC casing 1½ in diam, 10.5 ft
- perforated PVC casing 1½ in diam, 2 ft
- solid PVC casing 1½ in diam, 16 ft
- perforated PVC casing 1½ in diam, 2 ft
- gravel pack = 2 ft around perforations
- clay backfilled between gravel pack layers
- solid PVC casing 1½ in diam, 29 ft
- perforated PVC casing 1½ in diam, 2 ft
- total depth = 31 ft
Memo

To: Dan Ed
Of: UH

From: Phone

Date: 4/14
Time: 10:00 a.m.

Mr./Ms. Dr. Peterson

Message:

He brought his permit this a.m. He spoke to
Sam last week. Call him
regarding progress.

[ ] Telephoned
[ ] Please Phone
[ ] Returned Your Call
[ ] Urgent Call At Once
[ ] Will Call Again
[ ] Wants to See You
Application for (check one)

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area? ☐ Yes ☐ No

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island Oahu Tax Map Key 1-5-18-2. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER: UH Geology Dept (Frank Peterson) Telephone 948-7987
Address 2525 Correa Rd, Honolulu, HI Zip Code 96822

3. PROPOSED DRILLING COMPANY: Walter Lum Associates

4. PROPOSED WORK: ☐ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal ☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary): SEE DESCRIPTION ON BACK

---

PROPOSED SECTION OF WELL

Elevation at top of casing 10 ft., msl.

Cement Grout 10 ft.

Hole Dia. 6 in.

Total Depth 40 ft.

Rock Packing 30 ft.

Ground Elev. 9 ft., msl

Solid casing: PVC
Length 10 ft.
Diameter 6 in.
Wall thickness in.

Casing: ☐ Perforated ☐ Screen Material PVC
Length 30 ft.
Diameter 6 in.
Wall thickness in.
Openings sq.in./L.F.

Open Hole: Length none ft.
Diameter in.

NOTE: section shown here is for 6-inch test well; 3-inch observation wells will be same except that they will have 3-inch diameters.

*Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Domestic ☐ Disposal ☐ Other (specify) Educational

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount. ☐ Daily gallons ☐ Monthly gallons ☐ Yearly 10,000 gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 100 gallons per minute

Signature: Frank Peterson Date: April 13, 1987
Water User

Signature: Peter Kammerer
Landowner of Well Site Date: 4/14/87

For Official Use:
State Well No. 1952-40k43
DLNR Permit No. 
DLNR Application No. 

RCVD - 4/14/87
DESCRIPTION OF WORK

Work will consist of drilling a 6-inch test well and three 3-inch observation wells all located within 50 feet of the test well. The use of this facility is for educational purposes to demonstrate well testing procedures in conjunction with UH hydrology classes. The facility will be used only a few days each year with total pumpage of only a few thousand gallons per year. The wells will be located adjacent to the Aquaculture Facility at Honolulu Community College campus, approximately 600 feet south of Dillingham Blvd and 300 feet east of Kokea St (see attached site map with well site indicated by red dot). The wells will be drilled approximately 40 feet into the underlying caprock sediments. The water at this site is brackish and cannot be used for domestic purposes.
Scale: 1" = 93'
- Existing aquaculture well
- Proposed test well
- Proposed observation wells

Kapalama Incinerator
Aquaculture Facility

Dillingham Blvd