APPLICATION FOR DRILLING, MODIFYING, RECASING OR REUSING WELLS

INSTRUCTIONS: Please send 1 copy to Honolulu Board of Water Supply, who will distribute to other agencies concerned. In filling out, refer to Rules and Regulations of the Honolulu Board of Water Supply adopted on May 10, 1976 and applicable rules and regulations of the State Department of Health.

OWNER: (See BWS Rules and Regulations Chapter III, Sec. 3-305, Item 1a)

Fred K. Asato

ADDRESS: 1245 Hoalawela st

Pearl City, Hawaii 96782

1. APPLICATION FOR WELL: (See Chapter III, Sec. 3-305, Item 1)

Drill

Reuse

Modification

Recase

Change in use

2. WORK TO BE PERFORMED BY: (See Chapter III, Sec. 3-311)

Self

WR 900 (Rev. 10-76)
3. USE OF WELL: (See Chapter III, Sec. 3-305, Item 1c)

To irrigate watercress

4. ATTACHMENTS: (Each copy of the application shall have a complete set of attachments)

a. Location of well: 96-41 Waianae Road

Tax Map Key: 9-4-63-5

b. Land area served: (Attach map showing exact location of well and area served. See Chapter III, Sec. 3-305, Items 1b and 1d)


c. Description of well and appurtenant details: (See Chapter III, Sec. 3-305, Item 1e)

To provide more water to ground watercress

See attach drawing
MODIFICATION OF WELL NO. 2359-16

Before

Gate Valve

Reference

Elevation

Casing

After

8" Pipe

Casing
Well 204-13

Location - At Waiawa, about 700 ft. west (Ewa) of Oahu Sugar Co. Pumping Station No. 9 at Waiawa Springs and 0.9 mile west of Pearl City.

Owner - Fred Asato.

Altitude - 10 ft.


Diameter - 2 in.

Depth - 140 ft.

Casing - 63 ft.

Head - Aug. 21, 1953, 15.75 ft.
       Sept. 15, 1954, 11.15 ft.

Chloride - Aug. 21, 1953, 226 p.p.m.
           Sept. 15, 1954, 374 p.p.m.

Use - Domestic and irrigation.

Bench Mark - Top rim of upper 2" tee on well, 1 ft. above ground; altitude, 11.95 ft. 12.15 ft.

Log - No log kept by the driller. the following is based on the kind of drill bits used to drill hole:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Drill bit used</th>
<th>Probable formation</th>
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<tbody>
<tr>
<td>0.0 - 24.2 ft.</td>
<td>Fish tail</td>
<td>Soft clay material</td>
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<td>24.2 - 31.0</td>
<td>Saw tooth</td>
<td>Boulders</td>
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<tr>
<td>31.0 - 34.0</td>
<td>Diamond</td>
<td>Hard rock</td>
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<tr>
<td>34.0 - 66.8</td>
<td>Fish tail</td>
<td>Soft rock</td>
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<tr>
<td>66.8 - 73.4</td>
<td>Diamond</td>
<td>Hard rock</td>
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<tr>
<td>73.4 - 107.0</td>
<td>Diamond and fish</td>
<td>Hard and soft rock</td>
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<tr>
<td></td>
<td>tail alternating</td>
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<tr>
<td>107.0 - 140.0</td>
<td>Diamond</td>
<td>Hard rock</td>
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</tbody>
</table>
Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Hawaii State Survey
Topography by photogrammetric methods from aerial photographs
taken 1952 and planetary surveys 1928-1930. Revised from
Polyconic projection. Old Hawaiian datum
10,000-foot grid based on Hawaii coordinate system, zone 3
1000-meter Universal Transverse Mercator grid ticks,
zone 4, shown in blue
Red tint indicates areas in which only landmark buildings are shown

Approximate mean declination, 1968
January 4, 1980

Mr. Fred Kasuke Asato
1245 Hoolaulea St.
Pearl City, Hawaii 96782

Dear Mr. Asato:

Pearl Harbor Ground Water Control Area

We acknowledge receipt on January 3, 1980, of your Declaration of Existing Water Withdrawal and Use in the Pearl Harbor Ground Water Control Area. Our staff will review the data and may contact you for a field inspection of your well(s) before certification of your declared water use is made by the Board of Land and Natural Resources.

We appreciate your early filing of the declaration of existing water use.

Very truly yours,

SUSUMU ONO
Chairman of the Board
LEEWARD COLLEGE

WAIAWA ROAD

FRED KASUKE ASATO
TAX KEY # 9 6 003 005
ONE ACRE TOTAL IRRIGATED

WATERCRESS

UNG CHOY
DECLARATION OF EXISTING WATER WITHDRAWAL AND USE
Pearl Harbor Ground Water Control Area

Instructions: This form must be properly completed, signed, and submitted for each individual well or connected battery of wells on or before January 2, 1980, in accordance with Regulation 9 of the Department. Submit the form with any attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

1. WATER USER: Name FRED KASUKE ASATO
   Mailing address PEARL CITY, HI. 96782
   phone: 455-1360

2. WATER USER'S WELL CONNECTED BATTERY OF WELLS:
   User's Well Name and Location FRED K. ASATO WAIAWA
   TMK 9-6-003-005
   User's Well No. (s) Pump or natural flow capacity (gpm)
   Capacity determined by flowmeter, nameplate, orifice, etc. (specify)
   Year pump inst./modified
   2359-07
   2359-16

3. BENEFICIAL USE OF WATER:
   (a) Major Use: □ Municipal □ Agriculture □ Military □ Industrial
       □ Domestic □ Other (specify)
   (b) Minor Uses: □ Other (specify)
   (c) For Agriculture Use list crop(s) WATERCRESS AND UNG CHY, total acreage irrigated ONE, and attach map showing acreage irrigated by the well source.

4. BENEFICIALLY USED WATER WITHDRAWALS:
   (a) All figures given in (b) are records of: □ Metered flow □ Nameplate pump capacity
       □ Orifice □ Weir □ Other (specify) □ NO RECORD AVAILABLE □
   (b) Records available (in million gallons per day, three decimal places):

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<th>Month</th>
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   5-year average: mgd, highest day use mgd on 19

   (c) For Agriculture Use only: description of withdrawal schedule (include times of day and days of week: CONTINUOUS USE

5. WELL DESCRIPTION:
   On the attached computer list of wells, make corrections or additions thereon in red pencil as necessary and return with Declaration form. If information is readily available in another form, you may submit it in lieu of a corrected computer list.

Declaration: Under penalties provided in Regulation 9 of the Department of Land and Natural Resources, the undersigned declare and certify that this declaration has been examined, including accompanying statements and to the best of knowledge and belief, it is true, correct, and complete.

Signature: FRED KASUKE ASATO
Date: Jan 2, 1980

Signature: MAGOON ESTATE
LANDOWNER OF WELL SITE
Date: (SEE BACK)

For Official Use
Last day to certify 7-3-80
Date Certified
Amount certified
WELL NO. 2359-07 2359-16
WELL # 2359-07 - NOT IN USE, WELL DRY PAST 3 YEARS.
CONEHUKU COLLAGE

WAIAWA ROAD

2" WELL # 2359-07 (NOT IN USE)

8" WELL # 2359-16

FRED KASUKA ASATO
WATER USER

MAIOON ESTATE
LANDOWNER OF WELL SITE

TOTAL ACREAGE IRRIGATED

TAX KEY # 96 003 005