## Water Resources & Flood Control Branch
### Division of Water and Land Development

<table>
<thead>
<tr>
<th>FROM:</th>
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<tbody>
<tr>
<td>TO:</td>
<td>T. Fujii</td>
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<td>D. Lum</td>
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<td>E. Sakoda</td>
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<td>D. Nakano</td>
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<td>J. Menor</td>
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<td>M. Ohye</td>
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<td>N. Kaneshiro</td>
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<td>S. Miyamoto</td>
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<td>S. Samuels</td>
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<td>W. Koyanagi</td>
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<td>M. Tagomori</td>
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<td>H. Sakai</td>
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<td>H. Morimatsu</td>
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<td>J. Sato</td>
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**Date:** 5/29/86  **File In:** PHSWCA - Waimalu Well Season

**Remarks:**
Pictures of Oahu Sugar Co. (abandoned) wells at Waimalu. Last used Nov. 1970.

Deepest well is 955' total depth.
Well Name or Location ___________________________ Well Number ___________
Tax Map Key ___________________________
Landowner ___________________________
Applicant ___________________________
Drilling Contractor ___________________________
Pile work completed ___________________________

74
WELL ABANDONMENT CROSS-SECTION

Reference Points:
- Top of casing
- Grout seal
- Specify

Length of casing:
- Ft.

Well cleared to:
- Ft. depth

Length of cement grout seal

Top of rock sand fill

Well Name or Location

Well Number

Tax Map Key

Landowner

Applicant

Drilling Contractor

Date work completed

74
Reference Point:
☐ Top of Casings
☐ Ground Surface
☐ Specify

Length of casing:
_______ ft.

Well cleared to:
_______ ft depth

Length of cement pipe seal

Top of rock sand fill

Well Name or Location ____________________________ Well Number ____________
Tax Map Key ____________________________
Landowner ____________________________
Applicant ____________________________
Drilling Contractor ____________________________
Date work completed ____________________________
DIVISION OF WATER AN
ROUTE

FROM: 
FOR: Your Information

<table>
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<tr>
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<tr>
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<td>CHING, Albert</td>
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<td>MENOR, Joseph</td>
<td>YONAMINE, Elsie</td>
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## Honolulu Plantation

### Pump No. 4

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All wells are 12" diameter
WATER RESOURCES & FLOOD CONTROL RANCH
Division of Water and Land Development

FROM: Ed
TO: INITIAL:

T. FUJII
D. Lum
E. Sakoda
D. Nakano
J. Menor
M. Ohye
N. Kaneshiro
S. Miyamoto
S. Samuels
W. Koyanagi
D. Hamada
K. Oshiro
M. Tagomori
H. Sakai
H. Morimatsu
J. Sato

DATE: 8/21/86
FILE IN: WARMU Well Sealing

PLEASE:
See Me
Call
Review & Comment
Take Action
Investigate & Report
Draft Reply
Acknowledge Receipt
Type Draft
Type Final
Xerox copies
File
Mail

cc: ~

REMARKS:
Pump 4 well "C" was logged by BWS this morning.
Total depth ~ 1020', top of riser
Casing depth = 182', top of riser
Well "C" may be deeper than well "A"
which is supposed to be 955' deep.
Driller is going to backfill "C" unless otherwise notified.

FOR YOUR:
Approval
Signature
Information
WAHMALL JEWEL SEALING

# 6

Backfill

$ 1045

400' GND
+3' WGT

403

- 25'

378' Top of riser

Est. 3 yards backfill

# 14 12-20 6/19/86

Sands coming:

40' (pull out 40' PVC)

20' (pull out 20' PVC)

20' (pull out 20' PVC)

190

46 left on truck

x 3.45
WELL "E" (over 419 mango trees) 400' to fill (Fm.GND)
399' freen in well (21 ft lengths)
160 sacks cement (8 lengths out - 168')
Pulling 4 lengths @ 21' = 84' = 84'
Pulling 2 lengths out (42')

WELL D
299 sacks
180 sacks
459 sacks
<table>
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<td>Cementing &quot;H&quot; (old) 0920 (60 sack in well 11 lengths) at 0920</td>
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<td>(20 sack in mixer - 3 lengths)</td>
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**Mixing**

<table>
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**Total** 230 sacks
CEMENTING "G"  1300 (276 sacks on site)

40 sacks in hole

\[ H H H \]
\[ H H H H H H \]
\[ H H H H H \]

\[ (\text{pull II}) \]
\[ 60 \text{sacks} \]
\[ 100 \text{sack} \]
\[ (\text{pull III}) \]
\[ 120 \]
\[ (\text{pull III}) \]
\[ 170 \]

Total 200 sacks

09SEP86

Well "H" (old)  0930

\[ \text{DTW} = 42.4' \text{ from gnd} \]

\[ \text{Depth to cement} = 47.2' \text{ from gnd} \]

WELL "G"

\[ \text{DTW} = 42.0' \text{ from gnd} \]

\[ \text{DTC} = 43.4' \]
1130 EST  40-6 F

1130 - 21' frac. pipe
Casino Depth - 156'
Rock sand - 260'

1030 Start two cementing

1200 12½ socks going in

Elev. Top of Rockwall near tree - on
Rockwall middle or tree 50.59'

(47 socks left)
15 SEP 86
Cementing #16  300' DT socksand
Clamshell #17  220 socks at site

30' 508' TD

1045 hrs  22 socks in hole
          Joe

Pure 4 lengths 21' tramm pipe @ 1140 hrs

Pure 3 lengths 21' trammie @ 1230

Pure 3 lengths @ 1300

Pure @ 1330

sacks

825x
A. #197 now "closed" penciled in on drawing
B. (follows A in sequence) Pencil drawing on yellow note pad paper
C. (in sequence) Pencil drawing I-sealed Apr 49
D. Ltr dated 15 Dec 25
E. Ltr. dated 17 Dec 25
P2 Will 16
46.4' Depth to cement.
30.4' DTW

P2 Will 15
Elev. D at open pit (well B) 67.37

Ask MOA:
D
F

336' Trench Width to R/F =
231' Trench
WELL ABANDONMENT PERMIT
for
Pump Station No. 4 Wells
State Well Nos. 2356-34 to 42
Waimalu, Oahu

TO: Messrs. Warren C.S. Akiona and Edward Y.F. Tseu
c/o Community Planning, Inc.
700 Bishop St., Suite 608
Honolulu, Hawaii 96813

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to abandon State Well Nos. 2356-34 to 42 located at Tax Map Key: 9-8-11:5, is approved subject to the following conditions:

1. Each well shall be cleared of obstructions to at least 100 feet below the casing shoe. The open hole shall be backfilled with rock sand to a depth of 100 feet below the casing shoe.

2. The well shall be cement grouted using the tremie method from 100 feet below the casing shoe to ground surface.

3. Data obtained during abandonment shall be submitted for each well on a Well Abandonment Cross-Section form (enclosed).

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

Chairperson of the Board

Date of Issuance

4/12/86

Enc.
cc: USGS
     Dept. of Health,
     Drinking Water Program
     Honolulu BWS
     Roscoe Moss Company
Mr. John McCombs,
Asst. Engineer, Geological Survey,
Honolulu, T. H.

Dear Sir:

We are in receipt of your letter of 15th inst., and note that you and Mr. Livingston made an examination of wells at pump 4 and found one well leaking.

We would like to have you make another test, if convenient, and will gladly make the preparation for same that you suggest.

We note that you could not do much at pump 2 and will now wait for wet weather.

Accept our sincere thanks for your assistance in this work.

Yours truly,
HONOLULU PLANTATION COMPANY

JG:MO

Manager.

Oahu well 197
Mr. James Gibb, Manager,
Honolulu Plantation,
Aiea, Oahu.

Dear Mr. Gibb:

Mr. Livingston and I made an examination of wells at your pump #4 with the following results and conclusions:

The well immediately under the open shaft at the pump house is leaking either through a hole in the casing. The tests made do not indicate how far down this leak may be, but it results in filling your pump pit with water when the valve is closed, and in allowing oil and dirt to enter your pump when the well valve is open. As it now stands, the well is of no possible use to you, probably wastes water from your artesian supply, and certainly can act as a source of contamination to your pump water. The pump men tell me the water from this well is brackish, but I could not get a satisfactory sample to verify this.

With the present information the only sure means of ending this condition would be to seal this well completely, from the bottom, and if needed, drill a new well.

If you wish, I can make further tests, to find the exact point of leakage, in which case I may be able to advise you to re-case the well. If these tests are made it will be necessary to remove the well head, put a blind flange on the suction line, and a ten foot length of casing on the top of the valve to stop the surface flow.

I am expecting to receive some new equipment for measuring flow and leakage in wells, and would prefer to wait a few weeks until it arrives. If you want this additional test made—it may save you the cost of a new well—please have Mr. Williams get in touch with me. We will expect you to make the necessary preparations, but the tests will cost you nothing.

With regard to pump 2, I have not been able to do much. It seems necessary to wait for wet weather, when the pumps can be shut down for at least two days.

Very truly yours,

JOHN MacOMBS,
Assistant Engineer.

Copy to Mr. Williams.
Pump #4 Waimalu
Honolulu Plantation
Tax Key 9-8-1
Oahu