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  

FROM: Ed  
DATE: 5/29/86  
FILE IN: PHGWCA - Waimalu Well Seasoning  

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

REMARKS:  
Pictures of Oahu Sugar Co. (abandoned) wells at Waimalu.  
Last used Nov. 1970.  
Deepest well is  
955 total depth.

FOR YOUR:  
Approval  
Signature  
Information  

PLEASE:  

DATE: 2356-19633 (p. 2)
<table>
<thead>
<tr>
<th>LOGGED Depth</th>
<th>954</th>
<th>1020</th>
<th>678</th>
<th>702</th>
<th>612</th>
<th>491</th>
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<td>554</td>
<td>247</td>
<td>182</td>
<td>225</td>
<td>230</td>
<td>200</td>
<td>180</td>
<td>220</td>
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<tr>
<td>Comments</td>
<td>15.14'</td>
<td>15.11'</td>
<td>11'</td>
<td>7'</td>
<td>7'</td>
<td>6'</td>
<td>7'</td>
<td>7'</td>
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</table>

**Diagram:***

- **Key Points:**
  - 4E
  - 4H
  - Pump
  - 7 mill gal
  - Ew
  - Nw

**Additional Text:**

- "1718 in. w. A to I 2356 - 34 x 42"
- "#16-6"
WELL ABANDONMENT CROSS-SECTION

Reference Point:
- Top of Casing
- Second Casing
- [ ] others

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: 94
Well Name or Location: ____________________________

Well Number: ______________________

Tax Map Key: ____________________________

Landowner: ____________________________

Applicant: ____________________________

Drilling Contractor: ____________________________

Job work completed: ____________________________
WELL ABANDONMENT CROSS-SECTION

Reference Point:
☐ Top of casing
☐ Ground Surface
☐ Other

Length of casing: ___ ft.

Well cleared to ___ ft. depth

Top of rock sand fill

Length of cement grout seal

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

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>ASARI, Leslie</td>
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<td>FUJII, Takeo</td>
<td>MORIMATSU, Herb</td>
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<td>TAGOMORI, MANABU</td>
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<td>YONAMINE, Elsie</td>
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<td>Well No.</td>
<td>Elevation</td>
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<tr>
<td>1</td>
<td>55.72</td>
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<td>57.37</td>
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<td>8</td>
<td>57.55</td>
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<tr>
<td>9</td>
<td>57.65</td>
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<tr>
<td>10</td>
<td>73.80</td>
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</tbody>
</table>

All wells are 12" diameter
FROM: Ed
DATE: 8/24/86
FILE IN: Warmell Well Sealing
TO: INITIAL:

— T. FUJII
— D. Lum
— E. Sakoda
— D. Nakano
— J. Menor
— M. Ohye
— N. Kaneshiro
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PLEASE:
— See Me
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— Take Action
— Investigate & Report
— Draft Reply
— Acknowledge Receipt
— Type Draft
— Type Final

cc: Xerox copies
File
Mail

REMARKS:

Pump 4 well "C" was logged by BWS this morning.

Total depth = 1020' top or riser

Casing depth = 182' top or 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
At 1045, 400' GND + 3' WEIGHT
403 - 25' = 378' Top of riser

Est. 3 yards backfill

#14 0 12 30 6/19/86

Saws contain:
- NHX NHX NHX NHX (pull out 40' pvc)
- NHX NHX NHX NHX NHX NHX NHX
- NHX NHX (pull out 20' pvc) NHX NHX
- NHX NHX (pull out 20' pvc)
- NHX NHX NHX NHX NHX NHX NHX NHX
- NHX NHX NHX NHX NHX NHX NHX

190 NHX NHX NHX NHX NHX NHX NHX

46 lift on truck

0 3 45
WELL "E" (near 41 mango trees) 400' to fill (from GND)
399' fresh in well (21 ft lengths)
160 sacks cement (8 lengths out -168')
Pulling 4 lengths = 21' = 84' = 84'
Pulling 2 lengths out (42')
Pulling 2' cement
240
260
280
WELL D
299 sacks
180 sacks
459 sacks
09/09/86
Hole C (in ground) 35' to top of rock and 18"
400 sacks in hole  33 tons of rock and shale
20 in mixer

Pull out  waters 2 (42') spaces

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1,215 hrs. 230 sacks in hole "C"

09/09/86
Cementing "H" (old) 09/20
60 sacks in well 11 lengths
20 sacks in mixer 3 lengths

Pull out (3 lengths) (120)

Mixing 09/33

Total 230 sacks
Well "H" (old)  0930

DTW = 42.4' from gnd

Depth to cement = 47.2' from gnd

Well "G"

DTW = 42.0' from gnd
DTC = 43.4'
11 30 50   4 ft F

11 lengths 21' fine pipe
Casino Depth = 156'
Rock sand = Z80'

1030 starting cementing

H H H I  H I H I H I

1200 lbs 12½ socks going in

H H H I  H I H I H I

1 (balled 3 lengths) (80)

ELEV. TOP OF ROCKWALL NEAR TREE = 1245

Rock wall marked on tree 50.59'
15 SEP 86
Cementing #16 - Pic. n
Clamsburg #17

F1C
1045 hrs
22 socks in hole

(4 lengths 21' tram pipe @ 1140 hrs)
(4 lengths 21' tram pipe @ 1230)
(4 lengths 21' tram pipe @ 1300)

508 TD
300' DT rock sand
50 socks at site

220 socks at site

PAW @ 1330
11565 Files  2350-34

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
P.2 Wall 16
46.4' Depth to cement.
30.4' DTW

P2 Wall 15
Elev. "O" at open pit (Well B) 57.37

Ask MOH
D
F

Elev TOC = 36.15
Elev. TOC = 37.61

336' Tremce North to R/S =
231' Tremce
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

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.

SUSUMU ONO
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.
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 4A or 4B

Ewa Pump
West do.
Oahu Sugar Co.
Unit #2

Hono. Pump
East do.
Oahu Sugar Co.
Unit #1

197 mew

Pump #4 Waimalu
Honolulu Plantation
Tax key 9-8-
Oahu
Pump Pit #4

Location

Pump #4 Wells

Naimalu

Only Well 197-A to I
West Pump
Ewa Pump
Oahu Sugar Co. Unit #2

East Pump
Honolulu Pump
Oahu Sugar Co. Unit #1

Pump #4

Honolulu Plantation
Oahu