TO: INITIAL: T. FUJII

PLEASE: See Me Call

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
WELL ABANDONMENT CROSS-SECTION

Reference Point:
- [ ] Top of casing
- [ ] Ground Surface
- [ ] Specified

Length of casing:
- [ ] ft.

Length of cement part seal:
- [ ]

Well cleared to:
- [ ] ft. depth

Top of rock, sand fill:
- [ ]

Well Name or Location:
- [ ]

Well Number:
- [ ]

Tax Map Key:
- [ ]

Landowner:
- [ ]

Applicant:
- [ ]

Drilling Contractor:
- [ ]

Date work completed:
- [ ]

65
WELL ABANDONMENT CROSS-SECTION

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

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: __________
Reference Points:

- Top of casing
- Ground surface

Length of casing: __________ ft.

Length of cement grout seal: __________

Top of rock sand fill:

Well cleared to: __________ ft. depth

Well Name or Location: ____________________________

Well Number: ____________________________

Tax Map Key: ____________________________

Landowner: ____________________________

Applicant: ____________________________

Drilling Contractor: ____________________________

Date work completed: ____________________________

74
Well Name or Location ____________________ Well Number ______________
Tax Map Key ________________
Landowner ____________________
Applicant ____________________
Drilling Contractor ______________
Date work completed ______________
Well Name or Location ___________________________ Well Number __________

Tax Map Key __________________________________

Owner(s) ______________________________________

Applicant ______________________________________

Welling Inspector ________________________________

Date work completed ____________________________
<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>ASARI, Leslie</td>
<td>MIYAMOTO, George</td>
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<td>CHING, Albert</td>
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<td>CHUCK, Robert</td>
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<td>FUJII, Takeo</td>
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<td>HAMADA, Doris</td>
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<td>INATSUKA, Charles</td>
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<td>JINNAI, Richard</td>
<td>OHYE, Mitchell</td>
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<td>KANESHIRO, Noboru</td>
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<td>KASAMOTO, Junji</td>
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<td>KOYANAGI, Bill</td>
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<td>KURASHIGE, Randall</td>
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<td>LUM, Dan</td>
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<td>MATSUNO, Paul</td>
<td>TAGOMORI, MANABU</td>
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<tr>
<td>MENOR, Joseph</td>
<td>YONAMINE, Elsie</td>
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<tr>
<td>Well No. 197</td>
<td>Elevation (ft)</td>
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</tr>
<tr>
<td>A</td>
<td>57.72</td>
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<tr>
<td>B</td>
<td>57.37</td>
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<td>C</td>
<td>54.62</td>
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<td>D</td>
<td>56.82</td>
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<td>E</td>
<td>56.41</td>
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<td>F</td>
<td>57.14</td>
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<tr>
<td>G</td>
<td>57.55</td>
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<tr>
<td>H</td>
<td>57.65</td>
</tr>
<tr>
<td>I</td>
<td>73.60</td>
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</table>

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

FROM: Ed
DATE: 8/21/86
FILE IN: Warmell Well Sealing

TO: INITIAL:

<table>
<thead>
<tr>
<th>LAST</th>
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<tr>
<td>T.</td>
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<td>H.</td>
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<td>H.</td>
<td>Morimatsu</td>
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<td>J.</td>
<td>Sato</td>
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PLEASE:

- See Me
- Call
- Review & Comment
- 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

Information notified.
WAHMAU WELL SEALING

Backfill 3 yards compact

Est. 3 yards backfill

#14 6/19/86

50' GND
+3' Weight

403

-25'

370' Top of riser

270'

370' trench

16 1/2' on truck

25' x
WELL "E" (near 419 mango trees) 400' to fill (Em. GND)
399' from in well (21 ft lengths)
160 sacks cement (8 lengths out -168')
Pulling 4 lengths x 21' = 84' 84'

252'
Pulling 2 lengths out (42')

WELL D
299 sacks

260 sacks

280 sacks

180 sacks

459 sacks
9/29/86

Hole C (in pump house) 350' to top of rock sand (fractured)

200 40 sack in hole (took 33 tons of rock sand - Ak)

20 in mixer

pulverized cement: 2 (42) sacks

140
180
220

1215 hrs: 230 sacks in Hole "C"  

09/08/86
Cementing "H" (old) 0920
(60 sack in well 11 lengths) at 0920
(20 sack in mixer 3 lengths)

Mixing: 0933

6

repeat

200

Total 230 sacks
Well "E"

DTW = 42.0', from grind

DPT to caliper = 42.4', from grind

Aug 30, 1976

96829 86

4.0 sacks in hole

Total 200 sacks

Cementing "G"

1300

(276 sacks on site)

120

(171)

(100)

40 sacks in hole

"A"

954

254639

Feb 12 15669

270 ft. ebb and flow tank

20 ft. ebb and flow tank
10:30 Start to cement

1200 lbs 12½' socks going in.

Elev. Top of rock wall near tree - 157" in hole
Rock wall Adam or tree 50' 59"
15 SEP 86

Cementing #16
Clamshell #17

508' TD
300' DT Rock sand
220' socks at site

1045 hrs
22 socks in hole.

606' TD

(2 tube 4 lengths 21' tremie pipe @ 1140 hrs)

(2 tube 3 lengths 21' tremie @ 1230)

(2 tube 3 lengths @ 1300)

220 socks

PADD @ 1330
1505 Files 2350-34

A: #197 new "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 will 16

46.4' Depth / cement.
30.4' DTW

P2 Wall 15 ELEV. TOC = 36.15

Elev. "D" at open pit (Well B) 57.37

Ask MOH
D
F

336' Trench Width to W/S =
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.

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
December 17, 1925.

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
Water Resources Branch

Honolulu, T.H., December 15, 1925.

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

Dear Mr. Gibb:

Mr. Livingston and I made an examination of wells at your pump house 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 LACOMBS,
Assistant Engineer.

Copy to Mr. Williams.
Pump 4A or 4B

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

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

197 new

#166

Pump #4 Waimalu
Honolulu Plantation
Tax key 9-8-(11)

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

East Pump
Honolulu Pump
Oahu Sugar Co. Unit #1

Pump #4

Honolulu Plantation
Oahu