Pictures of Oahu Sugar Co. (abandoned) wells at Waimalu. Last used Nov. 1970. Deepest well is 955' total depth.
<table>
<thead>
<tr>
<th>LOGGED DEPTH</th>
<th>954</th>
<th>1020</th>
<th>670</th>
<th>612</th>
<th>492</th>
<th>510</th>
<th>491</th>
<th>2370</th>
</tr>
</thead>
<tbody>
<tr>
<td>T&lt;sup&gt;SO&lt;/sup&gt;</td>
<td>259</td>
<td>182</td>
<td>225</td>
<td>250</td>
<td>156</td>
<td>160</td>
<td>118</td>
<td>491</td>
</tr>
<tr>
<td>T&lt;sup&gt;S&lt;/sup&gt;</td>
<td>290</td>
<td>300</td>
<td>288</td>
<td>298</td>
<td>320</td>
<td>76</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

**Diagram:***
- A line labeled '7 mill gal.' with coordinates and dates:
  - 7/10/86
  - 8/9/86
  - 4/12/86
  - 5/31/86
  - 9/1/86
  - 9/11/86
  - 9/24/86
  - 9/26/86
  - 1/21/86
- A pump labeled 'Pump #4' with coordinates '2356 - 34 ft. 42'
- A note: '177 A + G 15.1 x 15.1'
- A label: 'Hamblin Plantation'
Well Name or Location: ____________________________  Well Number: ____________
Tax Map Key: ____________________________
Landowner: ____________________________
Applicant: ____________________________
Drilling Contractor: ____________________________
Date work completed: ____________________________
WELL ABANDONMENT CROSS-SECTION

Reference Point:
- Top of Casing
- Ground Surface
- 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: __________________

Owner: ____________________
Applicant: ________________
Wording Inspector: ________________
Date work completed: ________________
DIVISION OF WATER AN
ROUTE

FROM:

FOR: Your Information Ir

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASARI, Leslie</td>
<td>MIYAMOTO, George</td>
</tr>
<tr>
<td>CHING, Albert</td>
<td>MIYAMOTO, Stephen</td>
</tr>
<tr>
<td>CHUCK, Robert</td>
<td>MIYASHIRO, George</td>
</tr>
<tr>
<td>FUJII, Takeo</td>
<td>MORIMATSU, Herb</td>
</tr>
<tr>
<td>HAMADA, Doris</td>
<td>MORIMOTO, George</td>
</tr>
<tr>
<td>INATSUKA, Charles</td>
<td>NAKAMA, Thomas</td>
</tr>
<tr>
<td>IMADA, Neal</td>
<td>NANBU, Lorraine</td>
</tr>
<tr>
<td>JINNAI, Richard</td>
<td>OHYE, Mitchell</td>
</tr>
<tr>
<td>KANESHIRO, Noboru</td>
<td>SAKAI, Harold</td>
</tr>
<tr>
<td>KASAMOTO, Junji</td>
<td>SAKAI, Jane</td>
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<tr>
<td>KOYANAGI, Bill</td>
<td>SAKODA, Edwil</td>
</tr>
<tr>
<td>KURASHIGE, Randall</td>
<td>SHIBUYA, Yoshihisa</td>
</tr>
<tr>
<td>LUM, Dan</td>
<td>SHIROMA, Yoshiaki</td>
</tr>
<tr>
<td>MATSUMOTO, George</td>
<td>SIAROT, Jean</td>
</tr>
<tr>
<td>MATSUO, Paul</td>
<td>TAGOMORI, MANABU</td>
</tr>
<tr>
<td>MENOR, Joseph</td>
<td>YONAMINE, Elsie</td>
</tr>
<tr>
<td>Well No.</td>
<td>Elevation (ft)</td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
</tr>
<tr>
<td>B</td>
<td>5737</td>
</tr>
<tr>
<td>D</td>
<td>5622</td>
</tr>
<tr>
<td>E</td>
<td>5641</td>
</tr>
<tr>
<td>F</td>
<td>5714</td>
</tr>
<tr>
<td>G</td>
<td>5755</td>
</tr>
<tr>
<td>H</td>
<td>5765</td>
</tr>
<tr>
<td>I</td>
<td>7360</td>
</tr>
</tbody>
</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:

_ 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

PLEASE:

_ See Me
_ Call
_ Review & Comment
_ Take Action
_ Investigate & Report
_ Draft Reply
_ Acknowledge Receipt
_ Type Draft
_ Type Final

cc: ________ copies

FILE:

_ Xerox
_ File
_ Mail

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

InforMation

Ed
WELL "E" (near 19 mango trees) 400' to fill (EMGND)
399' from in well (21 ft lengths)
160 sacks cement (8 lengths out -168')
Pulling 4 lengths 21' = 84' = 252'

240
260
280

Pulling 2 lengths out (42')

294

356' from in out

WELL D"

299 sacks

168 sacks
459 sacks
Hole C (in pump house) 3/3 to top of rock sand (framed)

10/32 460 sack in hole (took 33 tons of rock sand - Ah)
20 in mixer

Pour out mixture 2 (42) sack

111 111 111
111 111 111
111 111 111
111 111 111
111 111

1/15 111 230 sacks in Hole "C"

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

Mixing 0933
111 111 111
111 111 111
111 111 111
111 111 111
111

Total 230 sacks
Cementing "G"  1300  (276 sacks on site)

40 sacks in hole

Hit Hit
Hit Hit Hit Hit
Hit Hit Hit Hit Hit
Hit Hit Hit Hit Hit
Hit Hit Hit (another 20) Total 200 sacks

09SEP86

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 AM  SFC 16 F

21' long 21' free pipe,
Casing depth 156'
Rope work 260'

10:30 am cementing

1200 lbs 12.5' socks going in

Elev. top of rock wall near tree - on rock wall marker or tree 50.59'
1045 hrs 22 sacks in hole. Joe

508' TD
300' DT rock salt
220 sacks at site

(Place 4 lengths 21' tremie pipe @ 1140 hrs)

Total: (142)
(Pull 3 lengths 21' tremie @ 1230)

(Place 3 lengths @ 1300)

Total: (220)

Pan @ 1330
A. #197 new "closed" penciled in on drawing
B. (fellow 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 Well 16  
ELEV. TOC = 36.15  
46.4' Depth + cement  
30.4' DTW  
P2 Well 15  
ELEV. TOC = 37.61  
ELEV. "D" at open pit (Well B) 57.37  
ASK MOH  
D  
F  
336' Tremec North to R/H  
231' Tremec "  
16 Apr 86
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

4/12/86
Date of Issuance

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,

JG:MO

Manager.
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 #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.
Cohu Sugar Co.
Unit #2

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

#197 1,111

#404

Pump #4

Honolulu Plantation

Oahu