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REMARKS: Pictures of Oahu Sugar Co. (abandoned) wells at Waimanu. Last used Nov. 1970. Deepest well is 955' total depth.
WELL ABANDONMENT CROSS-SECTION

Reference Points:
- Top of casing
- Ground surface
- Specify

Length of casing: __________ ft.

Length of cement plugging 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: ____________________________

76
Reference Point:

- [ ] Top of casing
- [ ] Ground Surface
- [ ] Specific

Length of casing:

[ ] ft.

Length of cement grout seal

Well cleared to:

[ ] ft. depth

Top of rock sand fill

Well Name or Location ____________________________  Well Number __________________

Tax Map Key ________________________________

Landowner ________________________________

Aplicant ________________________________

Drilling Contractor ________________________________

Date work completed ________________________________
WELL ABANDONMENT CROSS-SECTION

Reference Point:
- [ ] Top of Casing
- [ ] Crown Surface
- [ ] Specify

Length of casing: _______ ft.

Length of cement grout seal

Well cleared to: _______ ft. depth

Top of rock sand fill

Well Name or Location ____________________________________  Well Number: ____________

Tax Map Key: ____________________

Owner: ________________________

Applicant: ______________________

Drilling Contractor: ______________________

Date work completed: ____________
DIVISION OF WATER AN
ROUTE

FROM:___
FOR:___Your Information_________Ir

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<td>MIYAMOTO, George</td>
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All wells are 12" diameter
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<td>~ 1020' Top or Riser</td>
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<td>Casing depth = 182', Top or Riser</td>
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**WATER RESOURCES & FLOOD CONTROL RANCH**
Division of Water and Land Development

**DATE:** 8/21/86 **FILE IN:** Warmell Well Sealing

**REMARKS:**
- Pump 4 well "C" was logged by BWS this morning.
- Total depth for 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

**INITIALS:**
- 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:** ~ 1020' Top or Riser

**XEROX COPIES:**
- File
- Mail
WAHMALLU WELL SEALING

# 8

Backfill 5' - 6" comp.

@ 1045

400' GND + 3' CEMENT

403

- 25'

378' Top of riser

Est. 3 yards backfill

#14 @ 1220 6/19/86

( pullout 40' pvc)

( pullout 20' pvc)

(pullout 20' pvc)

190

( pullout 60' pvc)

( pullout 80' PVC)

46 left on truck

5315
WELL "E" (over 49 mango trees) 400' to fill (END)
399' frente in well (21 ft lengths)
160 sacks cement (8 lengths out -168')
Pulling 4 lengths = 84' = 84'

Pulling 2 lengths = 252' - 252'

Pulling 2 lengths out (42')
386' frente out

WELL D
299 sacks
160 sacks
459 sacks
**September 29, 1986**

**Hole C (in progress)**

- 37 ft to top of rocksand (bottomed)
- 400 sack in hole (took 33 tons of rocksand + Ar)
- 20 in mixer

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1215 hrs. 230 sacks in Hole "C"

**09/08/86**

Cementing "H" (old)

- 60 sack in wall
- 20 sack in mixer

- 11 lengths
- 3 lengths

- 0933

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200

**Total 230 sacks**
CEMENTING "G" 1300 (276 sacks in hole)

40 sacks in hole

HIT HIT

HIT HIT HIT HIT

HIT HIT HIT HIT HIT

HIT HIT HIT HIT HIT HIT HIT

HIT HIT 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'

Tony

F'dly 612 156 csf

A'ly 954 254 cfs
11:30 A.M.    4" x 6

11' Length, 21' from pipe.
Casing Depth = 156'
Rock Solid = 230'

1030 Start two cementing

1200 lbs 12½ socks going in

204' (47 socks left)
157' in hole

204' (47 socks left)
157' in hole

ELEV. TOP OF ROCKWALL NEAR TREE - ON

Rock wall marker or take 50.59'
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 Well 16

46.4' Depth to cement.
30.4' DTW

P2 Well 15

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

Ask MOH
D
F

336' Trench Depth to N/S = 231' Trench
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.

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

East Pump
Honolulu Pump
Oahu Sugar Co. Unit #1

Pump #4
Honolulu Plantation
Oahu