# CHECKLIST

**Type of Permit:**  
- [ ] Well Construction  
- [x] Pump Installation  
- [ ] Water Use Required  

**Well Name:** Waikake  
**No.:** 6450-05  
**Island:** Hawaii  

**Applicant:** Virginia A. Place, M.D.  
**Landowner:** smith  
**Consultant:**  
**TMK:** 5-9-55  

**Appl Recd:** 4 May 95  
**Mapped/#:** 1 May 96  
**Logcomp:** 5/23/95  
**Logbk:** 5/23/95 (Mitch)  
**Eh 343 Pan:** NA  
**Fee Depos:** 23 May 95  
**Test, CWRM Act:** 2 Aug 95  

**Copies Sent for Review:**  
- DoH/Drink Water  
  - Sent: MAY 25 1995  
- Wastewater  
  - Sent: MAY 25 1995  
- Hist. Preserv  
  - Sent: MAY 25 1995  
- Aquat Res  
  - Sent: MAY 25 1995  
- OHA  
  - Sent: MAY 25 1995  
- DHHL  
  - Sent: MAY 25 1995  
- Honolulu BWS  
- Maui DoW  
- Kauai DoW  
- Hawaii DoW  
  - Sent: MAY 25 1995  
- PW  
  - Sent: MAY 25 1995  
- SCLDF  
- Com:  

**Comments Recd:**  
- 26 May 95  

**Bulletin:** 18 May 95  
**to Agenda:**  
**Submittal:**  
**to Appl:**  
**CWRM:** Appr  
**Deny:**  
**Permit/Notice to Appl:**  

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<td>NAKAMA, L.</td>
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REF:CWRM-SS

Mr. Virgil Place
P.O. Box 44555
Kawaihae, Hawaii 96743

Dear Mr. Place:

Pump Installation Permit
Waika Keanahalulu Well (Well No. 6450-05)

It has come to our attention that the permit issued on June 5, 1998 states your pump capacity incorrectly. Enclosed are two (2) revised originals of your approved Pump Installation Permit for the captioned well(s) which authorizes permanent pump installation work for your well(s). This permit supersedes the permit previously transmitted to you. All other conditions indicated on the cover letter previously transmitted to you remain the same.

If you have any questions, please call the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Aloha,

[Signature]

MICHAEL D. WILSON
Chairperson

Enclosures

c: Tom Nance Water Resource Engineering
Mr. Virgil Place  
P.O. Box 44555  
Kawaihae, Hawaii 96743

Dear Mr. Place:

Pump Installation Permit  
Waika Keanahalulu Well (Well No. 6450-05)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) which authorizes permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 10:

Special Conditions

1. The applicant shall submit a pump test in accordance with the Hawaii Well Construction and Pump Installation Standards.

The well owner is responsible for all conditions of the permit. This includes ensuring that the pump installation contractor, or other party who installs the pump, submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions.

To validate your pump installation permit, please sign and have the contractor sign both permit originals and return one for our files.

A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

If you have any questions, please call the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Aloha,

[Signature]

Chairperson

Enclosures

c: Tom Nance Water Resource Engineering
PUMP INSTALLATION PERMIT

Waika Keanahalulu Well, Well No. 6450-05

In accordance with the Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works," this document permits the pump installation for Waika Keanahalulu Well (Well No. 6450-05) at Ala Kahua, Kohala Estates, Hawaii, TMK 5-8-8: 006, subject to the Hawai‘i Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 100 gpm capacity, or less, pump in the well.

3. The permittee shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee is notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawai‘i Well Construction & Pump Installation Standards (1/23/97).

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: June 5, 1998
Expiration Date: June 5, 2000

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: ____________________________ Date: ________________
Printed Name: ________________________________ Firm or Title: ________________
Installer's Signature: ____________________________ License #: ________________ Date: ________________
Printed Name: ________________________________ Firm or Title: ________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments

C: USGS
Department of Health Safe Drinking Water & Wastewater Branches
Hawai'i Department of Water Supply
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: RYAN
DATE: 6/5/98
SUSPENSE DATE: __________

TO: BAUER, G. INIT. LUM, A. FOR: Approval
     CHING, F. INIT. NAKAMA, L. 4 Approval
     FUJII, N. INIT. NAKANO, D. 4 Signature
     HARDY, R. INIT. OHYE, M. 5 Information
     HIGA, D. INIT. SAKODA, E. See Me
     HIRANO, E. INIT. SUBIA, S. 1 Review & Comment
     ICE, C. INIT. SWANSON, S. 2 Take Action
     IMATA, R. INIT. UWANE, J. 3 Type Draft
     JOHNS, T. INIT. UYENO, D. 4 Type Final
     KUNIMURA, I. INIT. YODA, K. 5 File

☐ WELL CONSTRUCTION ☒ PUMP INSTALLATION PERMIT FOR: Waika- Keanabinu well (6x50-05)

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 PUMP TEST
4 DOH COMMENTS
5 WCR FORM

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 DOH COMMENTS
4 WCR FORM
5 WUR FORM

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

Well previously accepted, but I don't see pump test. Shall we request? (see cover letter) special conditions.
Prelow ownership ✔
contractor verified ✔
APPLICATION FOR PERMIT

☐ Well Construction or ☐ Pump Installation

98-32  4-22-98

Instructions: Please print in ink or type, attach required maps, and send the completed application & two (2) copies to the Commission on Water Resource Management, P. O. Box 621, Honolulu, Hawaii 96809. This application must be accompanied by a non-refundable filing fee of $25.00 payable to the Department of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance in completing this application, please call the Commission’s Regulation Branch at 587-0225.

1. APPLICANT: circle primary contact: a, b, or c
   (a) WELL OWNER
      Firm/Name: Virgil Place
      Contact Person: Virgil Place
      Address: P. O. Box 44555
      Kawaihae, Hawaii 96743
      Primary Fax: 808-882-7749
   (b) LANDOWNER
      Firm/Name: Virgil Place
      Contact Person: Virgil Place
      Address: P. O. Box 44555
      Kawaihae, Hawaii 96743
      Contractor’s License No.: C-21178
      (Please circle type [C-57, Gen.’C’, or C-57a, Gen.’A’])
      Tax Map Key: 5-9-5:05

2. WELL LOCATION/NAME: Waika-Keanaholulu (No. 6450-05)
   Island: Hawaii
   Address: Ala Kahu, Kohala Estates, Hawaii
   Tax Map Key: 5-9-5:05
   Attach the relevant portion of (a) a 7.5-Minute Series U.S.G.S. topographic map (scale 1’=24,000), and (b) a property tax map, showing well location referred to established property boundaries.

3. (a) PROPOSED WORK:
   ☐ Drill New Well
   ☐ Deepen
   ☐ Install New Pump
   ☐ Modify Existing Well
   ☐ Redrill
   ☐ Modify Pump
   ☐ Abandon/Seal
   ☐ Replace Pump
   * Be sure to complete and submit well abandonment report upon completion of work.
   (b) WELL TYPE:
   ☐ Dug ☐ Bored ☐ Driven ☐ Drilled
   ☐ Radial
   Is this well a part of a battery of wells? ☐ Yes ☐ No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 200 gallons per minute
   Pump Type:
   ☐ Deep Well Turbine ☐ Rotary ☐ Propeller
   ☐ Submersible ☐ Rotary-Displacement ☐ Reciprocating
   ☐ Centrifugal ☐ Rotary Gear ☐ Impulse
   Motor:
   ☐ Diesel ☐ Gas
   ☐ Electric, rated horsepower
   If Pump Replacement, Existing Pump Capacity: 100 gallons per minute

5. PROPOSED USE:
   ☐ Municipal (including hotels, stores, etc.)
   ☐ Industrial
   ☐ Domestic (individual, noncommercial water sys.)
   ☐ Dwelling Units
   ☐ Irrigation (crop), Arboretum and Botanical Gardens
   ☐ Acres
   ☐ Military
   ☐ Other:

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 100,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      ☐ Flow-meter ☐ Open-pipe ☐ Orifice Plate ☐ Weir

7. PENDING ACTIONS:
   ☐ CDUA ☐ SMA ☐ EIS ☐ EA
   ☐ NONE ☐ Other(explain)
   Completion Date:

8. REMARKS, EXPLANATIONS: The existing 15 horsepowr submersible will be replaced with a larger capacity, 40 horsepower Grundfos submersible pump and motor.

   (If more space is needed, continue on back)

   Dr. Virgil A. Place
   Landowner
   (See Attached Authorization)
   Signature:
   Date:

   Dr. Virgil A. Place
   Contractor
   (See Attached Authorization)
   Signature:
   Date:

   David McAllister
   Date:

For Official Use Only:
Date Received:
Date Accepted:
Field Checked By:
Date:

Latitude ____________________________
Longitude ____________________________
Aquifer System Name ____________________________
State Well No. ____________________________

3 Jan 97 WCPIA Form
8. Remarks, Explanations (cont'd):

(Existing Well 6450-05; No Modifications to be Made)

9. PROPOSED WELL SECTION

Elevation at top of casing: 372 ft., msl.

Cement Grout: 343 ft.

Rock Packing: 40 ft.

Hole Diameter: 14 in.

Total Depth: 383 ft.

Ground Elevation: 370 ft., msl*

Solid Casing: Steel

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<td>368 ft.</td>
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Casing: ■ Perforated, □ Screen, Stainless Steel

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Open Hole:

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*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
To whom it may concern,

Below is my signature to be attached to my applications for well modification and pump installation permits.

Virgil A. Place.
TO: Honorable Lawrence Miike, Director
    Department of Health
    Attention: Dennis Tulang, Wastewater Branch
    William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
          Waika Keanahalulu Well (Well No. 6450-05)

Transmitted for your review and comment is a copy of the captioned well application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by May 28, 1998.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

RESPONSE:
[  ] This well qualifies as a source which will serve as a source of potable water to a public water system (serving 25 or more people at least 50 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[  ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[  ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[  ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[  ] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

[  ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[  ] No comments/objections

Contact Person: William Wong

Signed: William Wong

Date: 05/18/98

Phone: 586-4258
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

   Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Chapter 11-55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing

   The discharger shall take all measures necessary to prevent the discharge of pollutants from entering state waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
TO: Honorable Lawrence Miike, Director
    Department of Health
    Attention: Dennis Tulang, Wastewater Branch
              William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Waika Keanahalulu Well (Well No. 6450-05)

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RI:ss
Attachment(s)

RESPONSE:

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[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant’s information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: Lori N. Kajiwara

Phone: 808-429-

Date: 5-20-98
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<th>Dr. Virgil Place</th>
<th>Address</th>
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<td>- Peel (CON)</td>
<td>Kind of cover</td>
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<tr>
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<td>July 12, 1976</td>
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**SANITARIAN**
Mr. Virgil Place
P.O. Box 44555
Kawaihae, HI 96743

Dear Mr. Place:

Pump Installation Permit Application for Well No. 6450-05

We acknowledge receipt, on May 5, 1998, of your completed pump installation permit application for the Waika-Keanahalulu Well (Well No. 6450-05). You can expect your application to be processed within ninety (90) days from this date.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.

If you have any questions about your permit application, please contact Mr. Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

EDWIN T. SAKODA
Acting Deputy Director

RI:ss

c: Tom Nance Water Resource Engineering
TO: Honorable Lawrence Miike, Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson
   Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
   Waike Keanahalulu Well (Well No. 6450-05)

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RESPONSE:

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If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections

Contact Person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
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<th>YR</th>
<th>APP</th>
<th>D</th>
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<th>COST</th>
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**REMARKS:**

**LINE (1)** Well No. 6450-01 & 6450-05 (WCPA/PIP)

**LINE (2)**

**LINE (3)**

**LINE (4)**

---

**TNWRE INC.**

**DBA TOM NANCE WATER RESOURCE ENGINEERING**

680 ALA MOANA BLVD., STE. 406

HONOLULU, HI 96813

May 4, 1998

May 4, 1998

**PAY**

**Fifty and 00/100 **

**DOLLARS $50.00**

**TO THE ORDER OF**

Department of Land and Natural Resources

*Ken Nance*

---

**TNWRE INC.**

**DBA TOM NANCE WATER RESOURCE ENGINEERING**

DETACH AND RETAIN THIS STATEMENT

THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.

IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

**DELUXE FORM WVC-3 V-2**

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</thead>
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<td></td>
<td>Filing Fee: Pump Installation and Well Modification Permit Applications for Well Nos. 6450-01 and -05 in Kohala Estates [Job No. 98-32]</td>
<td>$50.00</td>
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</tbody>
</table>
Mr. Michael D. Wilson - Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Wilson:

Pump Installation and Well Modification Permit Applications for
Well Nos. 6450-01 and -05 in Kohala Estates, North Kohala, Hawaii

On behalf of Dr. Virgil Place, I am pleased to submit the enclosed permit applications and filing fees for two existing wells in Kohala Estates on the Big Island. For Well 6450-05, the existing 15 horsepower, 100 GPM pump will be replaced with a 40 horsepower, 200 GPM pump. For Well 6450-01, its 4-inch PVC casing will be removed, the 8-inch borehole will be reamed to 14 inches, and an 8-inch steel casing will be installed. Following this, the 15 horsepower pump removed from Well 6450-05 will be re-installed in Well 6450-01.

If you have any questions or require additional information, please feel free to call.

Sincerely,

Tom Nance

cc: Mr. Paul Bergsted
Dr. Virgil Place

Enclosures
Dear Dr. Place:

Well Completion Report for Well No. 6450-05

We have received your well completion report for the Waika-Keanahalulu Well (Well No. 6450-05). A follow up letter by Mr. Paul Bergstadt of Bergstadt Drilling indicated that the top of casing was incorrectly provided on the Well Completion Report. The correct elevation was indicated as 372.99 ft.

By this letter, we acknowledge that the requirements for the well completion report conditions of your permit are complete. We remind you that there are ongoing water use report requirements as an additional condition of your permit and by administrative rule. We have attached your updated reporting form for your use. Please feel free to copy this form for your future use.

If you have any questions, please contact Mr. Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000, extension 70255.

Sincerely,

RAE M. LOUI
Deputy Director

RRI: ss
Attachment
Dr. Virgil A. Place, M.D.
P.O. Box 44555
Kawaihae, HI 96743

Dear Dr. Place:

Well Completion Report for Well No. 6450-05

We have received your well completion report for the Waika-Keanahalulu Well (Well No. 6450-05). However, a matter which must be addressed before we accept your report as complete is as follows:

1. Please verify all elevations provided. The elevations provided indicate that groundwater is at 1' below sea level.

Please respond to the above item(s) within thirty (30) days of this letter's date. Failure to do so may result in fines of up to $1000 per day.

If you have any questions, please contact Mr. Ryan Imata of the Commission staff at 587-0255.

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

RRI:ss
<table>
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<tr>
<th>FROM:</th>
<th>DATE:</th>
<th>SUSPENSE DATE:</th>
</tr>
</thead>
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<td>INIT.</td>
<td>TO:</td>
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<td>LOUI, R.</td>
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<td>HARDY, R.</td>
<td>X</td>
<td>OHYE, M.</td>
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<td>HIGA, D.</td>
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<td>SAKODA, E.</td>
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<td>SUBIA, S.</td>
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<td>ICE, C.</td>
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<td>SWANSON, S.</td>
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<td>JINNAI, R.</td>
<td></td>
<td>UWAIN, J.</td>
</tr>
<tr>
<td>KUNIMURA, I.</td>
<td></td>
<td>YODA, K.</td>
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</tbody>
</table>

**Notes:**
- Ryan, can you find out about this well we recorded in db?
- Identify and write response letter.
- Correct well no. is 6450-05
- Paul's address is at the bottom of p.4.
- According to well completion report, the water level is 2 ft below sea level.
- Can't use data to come up with T value.
- WC conditions did not specify Aquifer.
# WELL COMPLETION REPORT

**Department of Land and Natural Resources**

![State of Hawaii](image-url) *COMMISSION ON WATER RESOURCES MANAGEMENT*

---

**PART I. WELL CONSTRUCTION REPORT**

- **Drilling Company:** Bergstedt Drilling
- **Name of driller who performed work:** Paul Bergstedt
- **Type of rig/construction:** Cable Tool Drilled
- **Date(s) Well Construction and pump tests (if any) completed:** Start-7/1/96, Pump-7/13/96
- **GROUND ELEVATION** (referenced to mean sea level, msl): 370.9 ft.
  - **Well Bench Mark** (description/location): [description provided]
- **DRILLER’S LOG:**
  - **Depths (ft.)**
  - **Rock Description, Water Level, Dates, etc.**
  - **Depths (ft.)**
  - **Rock Description, Water Level, Dates, etc.**
  - **(If more space is needed, continue on back)**
- **Total depth of well below ground:** 383 ft.
- **Hole size:** 14 in. dia. from 0 ft. to 2 ft. below ground
- **Casing installed:** 8 in. I.D. x 3/4 in. wall solid section to 36 ft. below ground
- **Annulus:** Grouted from 0 ft. below ground to 343 ft. below ground
- **Initial water level:** 370.9 ft. below ground.
- **Initial temperature:** 80 °F
- **Step-Drawdown Test Date:** 8/14/96
  - **Start water level:** 372.9 ft. below R.P.
  - **End water level:** 372.9 ft. below R.P.
- **Aquifer Pump Test Procedures data & graphs (19/96 LTAT Form) attached?** No
- **As-built drawings attached?** Yes
- **Other remarks/comments:**

---

**Applicant** (print) Virgil Place

<table>
<thead>
<tr>
<th>Signatures</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul Bergstedt</td>
<td>9/1/1996</td>
</tr>
<tr>
<td>Wes Thomas Associates</td>
<td>9/18/96</td>
</tr>
</tbody>
</table>

---

Please submit completed report within 30 days after well completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Assistance call the Commission Regulation Branch at 808-587-0225 or 1-800-468-4644 Extension 70225.
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: Bergstedt Drilling

21. Name of person performing work: Paul Bergstedt

22. Date Pump Installation Completed: 8/15/96

23. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: Submersible Grundfos
     Capacity: 45-110 gpm
   - Motor type, H.P., Voltage, rpm: Franklin 15 HP 460 VAC 3450 RPM
   - Depth of Pump Intake Setting: 380 ft. below Pit Top which elevation is 372.09 ft.
   - Depth to bottom of airline: 378 ft. below Pit Top which elevation is 372.09 ft.
   - Pumping Head is 500 ft. Type of flow meter: Turbo which measures in Gallons

24. As-built drawings attached: Yes

25. Other remarks/comments: (See below)

Pump Installation Contractor (print) Paul Bergstedt C-57 Lic. No. C-16953

Signature

Applicant (print) Virginia Place

Signature

8.(cont’d) DRILLER’S LOG (cont’d):

<table>
<thead>
<tr>
<th>Dates (ft.)</th>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks.</th>
<th>Rock Description, Remarks.</th>
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<tbody>
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<td>46 to 60</td>
<td>Lava Soft Grey</td>
<td>69</td>
<td>201 to 233 Lava Hard Grey</td>
<td>233 to 250 Lava Medium Grey</td>
</tr>
<tr>
<td>60 to 72</td>
<td>Lava Hard Brown</td>
<td>250 to 256 Cinder/Brown</td>
<td>256 to 306 Cinder/Brown</td>
<td></td>
</tr>
<tr>
<td>72 to 93</td>
<td>Cinder,Boulders</td>
<td>306 to 338 Cinder, Black</td>
<td>325 to 355 Cinder/Boulders</td>
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<tr>
<td>93 to 101</td>
<td>Lava Hard Blue</td>
<td>355 to 365 Blue Rock Hard</td>
<td>365 to 383 B-A Brown</td>
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<tr>
<td>101 to 130</td>
<td>Lava Soft Grey</td>
<td>383 to 400</td>
<td>7.D. 383 H 20 370</td>
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</tr>
<tr>
<td>130 to 152</td>
<td>Lava Medium Grey</td>
<td>19. &amp; 25. Remarks: Last 2 Feet the Tuff Fell Free indicating Lava Tube or Crevise</td>
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<tr>
<td>152 to 162</td>
<td>Lava Hard Blue</td>
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<tr>
<td>162 to 201</td>
<td>Brown Soft</td>
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</table>

WAL 690-05 Haka Kealakow
## AQUIFER TEST DATA

**County:** Hawai’i  
**Observation well no.:**  
**Pumped well no.:** 6450-01  
**Location:** Waikiki, Honolulu  
**Average Q:** Step test  
**Distance between Observation & Pumped Well**

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<th>Date</th>
<th>Hour</th>
<th>t (min)</th>
<th>Depth to water (ft)</th>
<th>s (unadjusted) (ft)</th>
<th>Adjustment as (ft)</th>
<th>Q (gpm)</th>
<th>Cl (mg/L)</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
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<td>FT (5)</td>
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<td>MIX LINE</td>
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</table>

I have measured up 0.7 ft tidal change in 3 weeks checking well not pumping.
**AQUIFER TEST DATA**

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<tr>
<th>Date</th>
<th>Hour</th>
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<th>Depth to water (ft)</th>
<th>s (unadjusted) (ft)</th>
<th>Adjustment as (ft)</th>
<th>Q (gpm)</th>
<th>Cl</th>
<th>Temp. F or °C</th>
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<td>980</td>
<td>82.8</td>
<td></td>
</tr>
</tbody>
</table>

**County:** Hawaii  
**Observation well no.:** N/A  
**Pumped well no.:** 6450 - 01  
**Location:** Waikiki Kauahalehu  
**Average Q:** 60 gpm  
**Distance between Observation & Pumped Well:** N/A ft.
Table 1

Aquifer Test Data

County: Hawaii  
Observation well no.: N/A

Location: Waimanalo  
Pumped well no.: 6450-01

Average Q: 60 gpm  
Distance between Observation & Pumped Well: ft.

<table>
<thead>
<tr>
<th>Date</th>
<th>Hour</th>
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## Aquifer Test Data

**County:** Hawaii  
**Location:** Waikiki Heeia Nu'u

**Observation well no.:** MA  
**Pumped well no.:** 6450-01

**Average Q:** 60 gpm  
**Distance between Observation & Pumped Well** ft.

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# Aquifer Test Data

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**Observation well no.:** 01A  
**Location:** Waiakea Peninsula  
**Pumped well no.:** 6450-01

**Average Q:** 60 gpm  
**Distance between Observation & Pumped Well:** ___ ft.

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AQUIFER TEST DATA

County: Kauai  
Observation well no.: 04/4

Location: Wainiha - Hanalei  
Pumped well no.: 6460 - 01

Average Q: 6.0 gpm  
Distance between Observation & Pumped Well ______ ft.

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AQUIFER TEST DATA

County: Hawaii  
Location: Waialua  
Observation well no.:  
Pumped well no.: 6450-01

Average Q: _______ gpm  
Distance between Observation & Pumped Well ______ ft.

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<tr>
<th>Date</th>
<th>Hour</th>
<th>t (min)</th>
<th>Depth to water (ft)</th>
<th>s (unadjusted) (ft)</th>
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Remarks:  
S  
Is Kiralina  
Submerged  
980
Tidal Influence is 0.5 Ft.
Mr. Virgil A. Place  
P.O. Box 44555  
Kawaihae, Hawaii 96743

Dear Mr. Place:

Waika-Keanahalulu Well  
Well No. 6450-05

Thank you for following up with more information concerning the proposed pump installation for the Waika-Keanahalulu Well. We understand that you would like to drill the well slightly larger to provide more space for the pump. The pump capacity will remain the same. The conditions of the permit are not violated, although the anticipated well and casing diameters expressed on the application and in the staff submittal are slightly larger. This letter authorizes you to increase the casing diameter from 6 inches to 8 inches. All other conditions of the permit remain in effect.

We look forward to receiving the well completion report with as-built drawings of the completed well shaft and pump installation assembly.

If you have any questions, please contact Charley Ice at 587-0251.

Sincerely,

RAE M. LOUI  
Deputy Director

C:ss
Note that the pump capacity remains the same; see explanation p.3. I recommend an administrative change, and request an appropriate action: possibly an approval letter, as submittal describes well but permit does not.
Rush
Fax transmitted to Charley Ice

from Paul Bergstadt

Modification and Explanation of Well Waika Heroatalolo #6450-05 North Kona

Paul Bergstadt
Bergstadt Drilling

Fax, phone, or answer 882-7080
APPLICATION FOR PERMIT

Well Construction or Pump Installation

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96820. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission does not accept incomplete applications. For assistance, call the Regulation Branch at 808-222-2225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   File Name: A. Place
   Contact Person: A. Place
   Address: 47875 Kauai Way
   Phone: 808-774-7745
   Fax: 808-774-7745
   (b) LANDOWNER
   File Name: W. Kanehalumalo
   Contact Person: W. Kanehalumalo
   Address: 47875 Kauai Way
   Phone: 808-774-7745
   Fax: 808-774-7745
   (c) CONTRACTOR
   File Name: Benjamin Drilling
   Contact Person: Benjamin
   Address: 47875 Kauai Way
   Phone: 808-774-7745
   Fax: 808-774-7745

2. WELL LOCATION/NAME: W. Kanehalumalo, 47875 Kauai Way
   Island: Kauai
   Address: North Kauai Estates
   Tax Map Key 25-1-5

3. (a) PROPOSED WORK: 
   - Drill New Well
   - Modify Existing Well
   - Install New Pump
   - Replace Pump
   - Modify Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:
   - Drilled
   - Bored
   - Driven
   - Cased
   - Radial
   Is this well a part of a battery of wells? Yes No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   - Rated Pump Capacity: 50 gallons per minute
   - Motor: 15 hp

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Military
   - Domestic (individual, non-commercial water use)
   - Irrigation (crop)
   - Other (explain)
   - State Land Use District: Urban Agriculture Rural Conservation
   - County Zoning (describe)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   - gallons per day

(b) METHOD OF FLOW MEASUREMENT:
   - Flow-meter
   - Open-pipe
   - Orifice Plate
   - Weir

7. PENDING ACTIONS:
   - OEAU
   - SMA
   - EIS
   - EA
   - NONE
   - Other (explain)

8. REMARKS, EXPLANATIONS:
   - Pipe accessed to 8" diameter

NOTE: Signature below indicates that the applicant understands that if the permit requested is granted by the Commission on Water Resource Management, the proposed work is to be completed within 30 days after the date of approval. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after the completion date of the permitted well. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute a determination of available water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: W. Kanehalumalo
Landowner: A. Place
Contractor: Benjamin Drilling

Signature: W. Kanehalumalo
Signature: A. Place
Signature: Benjamin

Date: 9/27/95
Date: 3/30/95
Date: 9/27/95

For Official Use Only:
Date Received:
Date Accepted:
Chief Enforcement
Inspector
Assistant Section Manager
9. PROPOSED WELL SECTION

Elevation at top of casing:
400 ft., msl.

Cement Grout:
360 ft.

Rock Packing:
40 ft.

Hole Diameter: 1" in.

Total Depth:
400 ft.

Ground Elevation: 460 ft., msl

Solid Casing:
Material: Steel
Length: 340 ft.
Diameter: 8" in.
Wall thickness: .372 in.

Casing: ☐ Perforated ☐ Screen
Material: Stainless
Length: 10 ft.
Diameter: 8" in.
Wall thickness: .372 in.
Openings: 1.5 sq. in./ft.

Open Hole:
Length: 10 ft.
Diameter: 8" in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by surveyor licensed by the state must be submitted at start of construction. Final elevations of all components shall be submitted in the well completion/well abandonment reports.*
The reason to modify the well permit is an oversight of the final elevation of the water being pumped.

The proposed well will be 400', which would require a 10 hp pump to produce 50 GPM at the well head.

I neglected to take into consideration the final total pumping head of the system, which is in excess of 500' at the storage tank. This change of hydraulic head requires more horsepower to push 50 GPM the Extra 100', specifically changing the Horse-Power requirements from 10 hp to 15 hp.

The measurement of the 15 hp pump "(Diameter)" increased from 3 1/2" (ten hp) to 5 1/2" (fifteen hp). The 15 hp pump will fit in 6" casing with 1/2" clearance, but I consider that tolerance too close. With an 8" borehole to maintain the 3" annular spacing required for grouting.

[Signature]
Mr. Place called to confirm that they have increased the dimensions of the proposed well, in excess of what was permitted. He has scheduled a driller and flees back and forth to the continent, so is concerned about a delay.
RUSH

Read 13-16-612 (b) -
Relates to change of
location but also seems to
apply to change of size of
wells too. Seems like a
new application is required
in either case. We could,
however, expedite by only
having DH review. In any case
it seems like he has
to submit PIPA for modification
to increase.
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Can you call him to clarify 6450-01 is or index as Kohala Estate, drilled back in 1980. Sounds like wrong well or they need a modification permit.

Well No. is 6450-05

02/95
Mr. Virgil A. Place
P.O. Box 44555
Kawaihae, Hawaii 96743

Dear Mr. Place:

Waika-Keanahalulu Well
Well No. 6450-05

We received a letter from Paul Bergstedt of Bergstedt Drilling on September 5, 1995, dated August 17, 1995, indicating the intent to install a Grundfos 80-S150-12 pump (48-110 gpm), which will require a larger casing diameter and consequently a larger bore of the well itself. The size of the proposed pump is equal to or larger than what the permit allows, and the well dimensions now being proposed are larger than what the permit allows.

If our understanding is correct, please submit a letter requesting modification of your permit, with specifications of the new proposed well. Well modification will require the approval of the Commission.

Please note, as well, that your permit has a typographical error for the well number. The correct number for Waika-Keanahalulu Well is Well No. 6450-05, as indicated at the top of this page.

If you have questions, please contact Charley Ice of our staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director
Ed Sakoda
State of Hawaii
D L N R
Commission of Water Resource Mgt.
PO Box 621
Honolulu, HI 96809

RE: Revision- Well size and description of water level measure for Waika-Keanahalulu Well# 6450-01 North Kohala.

Dear Sir

I shall install a Grundfos 80-S150-12 (48 to 110 GPM at 400'). It will pump 50 GPM into storage tank at 500' elevation.

The motor shall be 6''- 3 phase. The clearance is too close in 6'' casing, so I will install 8'' steel casing after drilling 14'' hole.

The measuring device shall be standard air line 3/8'' copper.

Paul Bergstedt
WELL CONSTRUCTION/PUMP INSTALLATION PERMIT

for

Waika-Keanahalulu Well
Well No. 6450-01, North Kohala, Hawaii

To: Virgil A. Place
P.O. Box 44555
Kawaihae, Hawaii 96743

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Waika-Keanahalulu Well (Well No. 6450-01) at Kohala Estates, North Kohala, Hawaii, TMK 5-9-5:S, is approved, subject to the following conditions:

STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. The Commission on Water Resource Management, P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, before any work by this permit commences.

2. The well construction/pump installation permit shall be for construction, testing, and installation of a 50 gpm capacity, or less, pump in the well, as determined by the pumping test results. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. The applicant shall submit to the Commission the test results and proposed permanent pump information, based on the test, for approval by the Chairperson.

3. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct and pump water from a well shall not constitute a determination of correlative water rights. The permittee is notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

4. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission on a quarterly basis.

5. The following shall be submitted to the Commission within thirty (30) days after completion of work:

a. Well completion report.

b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.

c. As-built sectional drawing of the well.

d. Plot plan and map showing the exact location of the well.

e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other water quality data.
6. The applicant shall comply with all applicable laws, rules, and ordinances.

7. The well construction/pump installation permit application and staff submittal approved by the Commission at its July 5, 1995 meeting are incorporated into the permit by reference.

8. The permit may be revoked if work is not started within six (6) months after the date of issuance or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

SPECIAL CONDITION

1. The well shall not be used for drinking water unless it is properly tested and treated.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management
AUG - 3 1995
Date of Issuance

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

Applicant's Signature: _______________________________ Date: ________________

Printed Name: ________________________________

Firm or Title: ____________________________________________

Please sign the permit, return one copy of this permit to the Commission, and retain a copy for your record.

Attach. cc: USGS
State Historic Preservation Division
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Maui Department of Water Supply
Mr. Thomas Arizumi, Chief
Environmental Management Division
State Department of Health
919 Ala Moana Blvd., 3rd Floor
Honolulu, Hawaii 96814

Attn: Mr. Dennis Tulang

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by JUN 12 1995.

<table>
<thead>
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<td>6450-05</td>
<td>Well and Pump</td>
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</tbody>
</table>

Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Response:
- [ ] We have no objections
- ( ) Not subject to our regulatory authority and permit
- ( ) Comments attached
- ( ) Additional information requested
- ( ) Extended review period requested

Contact Person: Lori N. Kajiwara

Signed: Lori N. Kajiwara

Phone: 586-4294

Date: 6-2-95
Mr. Thomas Arizumi, Chief
Environmental Management Division
State Department of Health
919 Ala Moana Blvd., 3rd Floor
Honolulu, Hawaii 96814

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by JUN 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Response:

- [ ] We have no objections
- [ ] Not subject to our regulatory authority and permit
- [ ] Comments attached
- [ ] Additional information requested
- [ ] Extended review period requested

Contact Person: Bill Wong

Signed: Bill Wong

Phone: 587-4258
Date: 5/21/95
May 31, 1995

Ms. Rae M. Loui
Deputy Director
Commission on Water Resource Management
State of Hawaii
Department of Land and Natural Resources
P.O. Box 621
Honolulu, HI 96809

WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT APPLICATION
ISLAND - HAWAII
WELL NAME - WAIKA-PLACE WELL
WELL NO. 6450-05
TAX MAP KEY 5-9-5:05

We have reviewed the subject application and have no comments.

Milton D. Pavao, P.E.
Manager

WA

... Water brings progress...
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by June 12, 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Response:

- [X] Not subject to our regulatory authority and permit
- [] Comments attached
- [] Additional information requested
- [] Extended review period requested

Contact Person: Ed Yoshida  
Phone: 961-8327

Signed: Ed Yoshida  
Date: 6/5/95
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Commission on Water Resource Management
Honolulu, Hawaii

MAY 25 1995

TO: Dr. Don Hibbard, Director
     Historic Preservation Program

Mr. William Devick
Division of Aquatic Resources

FROM: Rae M. Loui, Deputy Director
     Commission on Water Resource Management

SUBJECT: Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by JUN 1 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Response:

( ) We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: [Signature]
Signed: [Signature]
Phone: 587-0251
Date: 6-30-95

Enc.
Dr. Virgil A. Place, M.D.
P.O. Box 44555
10 Ala Kahua Drive
Kawaihae, Hawaii 96743

Dear Dr. Place:

We have received your application and filing fee for a permit to construct and install a pump in Waika-Place Well (Well No. 6450-05) at Waika, North Kohala, Hawaii (TMK 5-9-5:5). We are reviewing the application for completeness.

Should you have any questions, please call the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Ci:ss
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
State Department of Health  
919 Ala Moana Blvd., 3rd Floor  
Honolulu, Hawaii 96814

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by **Jun 12, 1995**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI  
Deputy Director

Response:

() We have no objections  
() Not subject to our regulatory authority and permit  
() Comments attached  
() Additional information requested  
() Extended review period requested

Contact Person: __________________________ Phone: __________________________

Signed: __________________________ Date: __________________________
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
State Department of Health  
919 Ala Moana Blvd., 3rd Floor  
Honolulu, Hawaii 96814

Attn: Mr. Dennis Tulang

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by **Jun 12 1995**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI  
Deputy Director

Response:

- [ ] We have no objections
- [ ] Not subject to our regulatory authority and permit
- [ ] Comments attached
- [ ] Additional information requested
- [ ] Extended review period requested

Contact Person: ___________________________ Phone: ___________________________
Signed: ___________________________ Date: ____________________________
Ms. Marjorie Ziegler
Sierra Club Legal Defense Fund, Inc.
223 South King Street, Suite 400
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by **JUN 12 1995**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

Response:

- [ ] We have no objections
- [ ] Not subject to our regulatory authority and permit
- [ ] Comments attached
- [ ] Additional information requested
- [ ] Extended review period requested

Contact Person: ____________________________ Phone: ______________
Signed: ____________________________ Date: ______________
REF:CWRM-SS

TO: Mr. Kali Watson, Director
    Department of Hawaiian Home Lands

    Mr. Clayton H.W. Hee, Chairman and Trustee At Large
    Office of Hawaiian Affairs

FROM: Michael D. Wilson, Chairperson

SUBJECT: Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by JUN 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Enc.

Response:

( ) We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ____________________________ Phone: ____________________________
Signed: ____________________________ Date: ____________________________
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Commission on Water Resource Management
Honolulu, Hawaii

MAY 25 1995

TO: Dr. Don Hibbard, Director
    Historic Preservation Program

Mr. William Devick
Division of Aquatic Resources

FROM: Rae M. Loui, Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by JUN 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Response:

( ) We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: _______________________________ Phone: __________________
Signed: _______________________________ Date: __________________
Mr. Milton Pavao, Manager
Department of Water Supply
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Dear Mr. Pavao:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by ________________.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

Response:

( ) We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ________________________ Phone: ________________
Signed: _______________________________ Date: ____________________
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720  

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Applications  

Please review the following permit applications pursuant to your area of concern and submit your comments to us by [JUN 12, 1995].

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0251.

Sincerely,

[Signature]  

RAE M. LOUI  
Deputy Director

Response:  
( ) We have no objections  
( ) Not subject to our regulatory authority and permit  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Contact Person: ___________________________  Phone: ________________

Signed: ___________________________________  Date: ________________
<table>
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<tr>
<th>DOCUMENT NO.</th>
<th>UAC OR ATTACHED WORKSHEET</th>
<th>DATE: MAY 23 1995</th>
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**DEPARTMENT OF LAND AND NATURAL RESOURCES**

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</table>

**TOTAL** $25.00

**REMARKS:** LINE (1) Waika - Place (Well#: 6450-05)
LINE (2)
LINE (3)
LINE (4)
Dear Sirs:

Enclosed is application for a Well Drilling Permit and a check for $25.00 for the filing fee.

Thank you for your attention to the request.

Sincerely,

Virgil A. Place, M.D.
APPLICATION FOR (check one)

☐ WELf DRILLING PERMIT  ☐ WELf MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawai'i 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Filing Fee

Is the well located in a Designated Ground Water Control Area? Yes ☐ No ☐

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island [WAIKIKI] Tax Map Key 5-9-5.5

2. WATER USER: [Vital Place] Telephone [984-50-05]

3. PROPOSED DRILLING COMPANY: [Bergstadt Drilling]

4. PROPOSED WORK: Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal ☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

PROPOSED SECTION OF WELL

Elevation at top of casing 400 ft., msl.

Cement Grout ft.

Solid casing: PVC

Material

Length 62 ft.

Diameter 6 in.

Wall thickness: 3/16 in.

Hole Dia. 12 in.

Casing: Perforated ☐ Screen ☐

Material PVC

Length ft.

Diameter in.

Well thickness: 3/16 in.

Total Depth 400 ft.

Rock Pacing 40 ft.

Open Hole:

Length ft.

Diameter in.

Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial ☐ Domestic ☐ Disposal ☐ Other (specify) ________

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount. ☐ Daily 30,000 gallons ☐ Monthly __________ gallons ☐ Yearly __________ gallons

7. PROPOSED PUMP OR FLOW CAPACITY: __________ gallons per minute

Signature: [Vital A. Place] Date: 15 April 1995

For Official Use:

State Well No.

DLNR Permit No.
WAIKĀ—PLACE WELL (6450–05)
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  Yes ☐ No ☐

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island ☐ Hawaii Tax Map Key: 5-9-5.5 Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER ☐ Virgil Place Address 100 1455-55 Kawaihe HT Telephone 888-882-7749 Zip Code 96743

3. PROPOSED DRILLING COMPANY: Bergstedt Drilling

4. PROPOSED WORK: ☐ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal ☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

   Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

   PROPOSED SECTION OF WELL
   Elev. at top of casing 400 ft., msl.

   Cement Grout ft.
   Hole Dia. 12" in.
   Total Depth 400 ft.
   Rock Packing 40 ft.

   Solid casing: PVC
   Material
   Length 370 ft.
   Diameter 4" in.
   Wall thickness 0.372 in.
   Casing: Perforated ☐ Scrr-
   Length 16 ft.
   Diameter 6.4" in.
   Wall thickness 0.372 in.
   Openings 100

   *Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial ☐ Domestic ☐ Disposal ☐ Other (specify) ________

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
   ☐ Daily 30,000 gallons ☐ Monthly ___ gallons ☐ Yearly ___ gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 50 GPM gallons per minute

Signature: Virgil A. Place Date: 15 April 1995

Water User

Signature: Virgil A. Place

Landowner of Well Site

Date: __________

For Official Use:

State Well No. __________

DLNR Permit No. __________