April 19, 2005

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for your permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

Please refer to the Permit Processes Worksheet date (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hawaii.gov/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Lenore Y. Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), extension 70218.

Sincerely,

W. Roy

Peter T. Young
Chairperson

Enclosures

c: Marietta N.H. Pili
USGS
DWS
WELL CONSTRUCTION PERMIT

Marietta Well, Well No. 3587-06

Note: This permit shall be prominently displayed at the construction site until the work is completed

In accordance with 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 construction and testing of Marietta Well (Well No. 3587-06) at TMK 1-5-051:257, Hawaii, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

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

2. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff at www.hawaii.gov/dlnr/owrm/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

5. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

6. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' Division of Historic Preservation.

7. The proposed well construction 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 the well shall not constitute a determination of correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/owrm/forms.htm for current form).

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

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to incurring the variance.

11. 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. A request to extend the permit shall be submitted to the Chairperson no later than the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project 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.

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: April 11, 2005
Expiration Date: April 11, 2007

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day from the permit date of approval.

Driller's Signature: ____________________________________________________________________________ C-57 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.

Attachment:

USGS
Hawaii Department of Water Supply
Marietta N. Hill
April 19, 2005

Ref: 3587-06.pip

Mr. Rodney Couch
P.O. Box 1329
Kealakekua, HI 96750

Dear Mr. Couch:

Pump Installation Permit
Marietta Well (Well No. 3587-06)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize 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 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

The permittee is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign both permit originals and return one for our files.

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Lenore Y. Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), ext. 70218.

Sincerely,

Peter T. Young
Chairperson

Enclosure

c: Marietta N.H.Pili
USGS
DWS
PUMP INSTALLATION PERMIT
Marietta Well, Well No. 3587-08

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with 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 Marietta Well (Well No. 3587-08) at TMK 1-5-031-257, Hawaii, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) 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 96808, 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. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 25 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within 60 days after completion of work. This form can be obtained by contacting staff or on the internet at www.hawaii.gov/dlnr/cwrm.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

9. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

10. 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 the date the permit expires.

11. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

W. Roy Handy

Date of Approval: April 11, 2005
Expiration Date: April 11, 2007
PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer's Signature: __________________________ C-57, C-57a, or A License #: C-23094 Date: __________________
Printed Name: _______ Rodney J. Couch _______ Firm or Title: __________________

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

Attachments:
1. USGS
   Hawaii Department of Water Supply
   Marietta N.H. Pill
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>HAWAII</th>
<th>Aquifer System</th>
<th></th>
<th>Proposed Use</th>
<th>Domestic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquifer Sector</td>
<td>#</td>
<td></td>
<td></td>
<td>Proposed Withdrawal</td>
<td>100</td>
</tr>
</tbody>
</table>

**SECTION 2: WELL SECTION DATA (enter data in grey cells only)**

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>116 ft., m.s.l.</th>
<th>Solid Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>116 ft., m.s.l.</td>
<td>Material</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>100 ft.</td>
<td>Designation</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>10 ft.</td>
<td>Length</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>22 in.</td>
<td>Diameter</td>
</tr>
<tr>
<td>Total Depth</td>
<td>120 ft.</td>
<td>Wall Thickness</td>
</tr>
</tbody>
</table>

| Estimated Head             | 110 ft., m.s.l. | Casing |
| Calculated Aquifer Thickness | 4510 ft. | Material |
| County Water Supply (Y/N ?) | NO | Designation |

**SECTION 3: CHECKLIST (values to check are shaded)**

**Well Depth**
- Theoretical Thickness of Aquifer: 4510 ft.
- Depth of Well below Sea Level: 10 ft. okay (refer to HWCPIS Section 2.2)

**Well Casing**
- Minimum Wall Thickness: Steel
  - Material: Steel
  - County or Non-County: Non-county
  - Minimum Thickness per standards: 0.375 in.
  - Wall Thickness Provided: steel
  - Minimum Length of Solid Casing: 0 ft.
  - 90% of ground to top of aquifer: 110 ft. okay (refer to HWCPIS Section 2.4 d)
  - Length of Solid Casing Provided: 0 ft.
  - Casing Material: ASTM A53
  - Okay (refer to HWCPIS Section 2.4 e)

**Annular Space**
- Calculated Depth of Grouting: 0 ft.
- Depth of Grouting provided: 105 ft. okay (refer to HWCPIS Section 2.6 c)
- Thickness of Annular Space: 3 in. okay (refer to HWCPIS Section 2.6 d)
March 8, 2005

Mr. Chris Yuen, Director
Planning Department
County of Hawaii
101 Pauahi Street
Hilo, HI 96720

Dear Mr. Yuen:

Special Management Area Use Permit requirements for
Well Construction/Pump Installation Permit Application
Marrietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

Sincerely,

[Signature]

DEAN A. NAKANO
Acting Deputy Director

RESPONSE:

☑ This well project [☐ does not require a SMA. If a SMA is required it ] has [ ] has not been approved and [ ] is [ ] is not currently active.

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

☑ No objections

☐ Other comments:

Contact Person: Larry Brown
Phone: 961-8268

Signed: [Signature]

Date: 4/11/05

067542
TO: Warren Wegesend, Jr., Administrator  
Land Division

FROM: Dean Nakano, Acting Deputy Director  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Marietta Well (Well No. 3587-06)

March 8, 2005

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. **Please respond by returning this cover memo form by April 11, 2005.** If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN's:
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

**XX** A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ________________

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

[ ] No objections

**XX** Other comments: Original source of private title was issued prior to statehood in 1959.

Contact Person: ____________ Phone: 587-0218

Signed: ____________ Date: MAR 17, 2005
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96806

March 8, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Manetta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN:
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or 10 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) and use of this well is subject to being licensed, tested, and monitored by the DOH. If use is planned, you must have this source authorized to serve the public water system. A backflow permit is also necessary to ensure compliance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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 prevention by physically separating potable and non-potable systems by a barrier, a backflow preventer, and by clearly labeling all non-potable vessels with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be rustically 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 (if it is not located near the proposed well site) is not required to be determined once the permit is issued.

An NPDES permit is required.

Other relevant DOH rules and regulations, information, or recommended tests are attached.

In the event that the location of the well changes, but is within the same permit area and is not subject to the proposed permit, the commission considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections.

Contact Person: William Wong
Phone: 586-4258
Signed: William Wong
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Marietta Well (Well No. 8-3587-06 Hawaii):

In general, a shallow well, or a well that recharges quickly from local rainfall, should not be used as a potable water source because such a well increases the risk of having unsatisfactory groundwater quality that when consumed may compromise health. Factors that directly influence a well's groundwater quality include wastewater disposal systems (cesspools, septic systems, drainage wells), lawn/garden/crop-growing activities, and even the proximity to the ocean where salt water intrusion may occur.
March 8, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director’s Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN:ss
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 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 preventer 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).

An NPDES permit is required.

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

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: Lenore Y. Nakama
Phone: 587-0218

Signed: Lenore Y. Nakama
Date: 4/11/05
A cesspool survey card has been found in our files and the following information is provided. The Department of Health (DOH) cannot guarantee the accuracy of the information nor the accuracy of dimensions (if given) on the survey card. In general, the DOH has accepted the information on the survey card as verification that a cesspool was constructed and authorized to be used for wastewater disposal from a building.

Cesspool Profile

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax Map Key (TMK) number</td>
<td>3, 15051250</td>
</tr>
<tr>
<td>Applicant Name</td>
<td>Marietta Pili</td>
</tr>
<tr>
<td>Designated by</td>
<td>Dergo</td>
</tr>
<tr>
<td>Depth</td>
<td>3 bedrooms</td>
</tr>
</tbody>
</table>

For more information, please contact the following staff engineer:

- Mr. Johnny Ong at our main office, Wastewater Branch as noted above, 586-4294
- Mr. Dane Hiromasa at the Kealakekua Health Center, Kona at (808)322-1507
- Mr. Jerry Nunogawa at the Hawaii District Health Office, Hilo at (808)933-0401
- Mr. Joe Tateyama at the Kauai District Health Office at (808)241-3323
- Mr. Roland Tejano at the Maui District Health Office at (808)984-8232
March 8, 2005

TO: Honorable Chirome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN:ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of public water for a public water system (defined as serving 25 or more people at least 60 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 Public Water Systems, §11-29-29.

[ ] 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 parameters before using such water and properly monitor the water quality thereafter. However, failure to provide test from this source increases to meet the public water system definition that 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 maintain cross connections and backflow prevention devices by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable pipes with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be regularly 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).

[ ] An NPDES permit is required.

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

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/rejections

Contact Person: Alec Wong
Phone: 586-4309

Signed: Alec Wong
Date: 3/11/05
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, Title 11, Chapter 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
Mr. Rodney Couch  
P.O. Box 1329  
Kealakekua, HI 96750  

Dear Mr. Couch:

**Well Construction/Pump Installation Permit Application for Well No. 3587-06**

We acknowledge receipt, on February 28, 2005, of your completed Well Construction/Pump Installation permit application and filing fee for the Marietta Well (Well No. 3587-06). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table ( Permit Process Worksheet 11/9/04) describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing or modifying a pump.

Upon completion of the work required under the permit, a **certificate of well completion** will be issued to the landowner, which transfers responsibilities for the well from the driller/pump installer to the landowner and/or operator. Until that time, the driller and landowner are responsible for all conditions of the permit.

By this acceptance letter, we are notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of pump installation completion letter is issued to the well operator and landowner. Additionally, the permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity. No certificate of well completion will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer. In other words, you may need to remove the pump and install a smaller pump at the Commission's discretion before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Lenore Y. Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), extension 70218.

Sincerely,

[Signature]

DEAN A. NAKANO  
Acting Deputy Director

LYN:ss  
Attachment  
c: Marietta Pilii
March 8, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN:ss
Attachment(s)

RESPONSE:

1. This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 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.

2. 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 to implementation.

3. 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.

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

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

6. An NPDES permit is required.

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

8. In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

9. No comments/objections

Contact Person: ___________________________ Phone: ____________

Signed: ___________________________ Date: ____________
TO: Warren Wegesend, Jr., Administrator
    Land Division

FROM: Dean Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Marietta Well (Well No. 3587-06)

March 8, 2005

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. _____________________.

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ______________

Signed: ____________________________ Date: ______________
March 8, 2005

TO: Melanie Chinen, Administrator
    Historic Preservation

FROM: Dean Nakano, Acting Deputy Director
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
          Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well
Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the
programs, plans, and objectives specific to your division. Please respond by returning this
cover memo form by April 11, 2005. If we do not receive comments or a request for
additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions
about this permit application or request additional review time, please contact Lenore Y.
Nakama of the Commission staff at 587-0218. If you require additional information regarding
specific information that can be provided by the applicant, please contact the applicant directly
at the contact information provided on the application form.

LYN:ss
Attachment(s)

RESPONSE:

This is a [ ] public (county or state) project [ ] private project and [ ] will [ ] may disturb historic sites.

[ ] We concur that the work described under this permit will not disturb historic sites.

[ ] We do not concur that the work described under this permit will not disturb historic sites. We require the
   following for our concurrence:

Contact Person: ____________________________ Phone: ______________

Signed: ____________________________ Date: ______________
March 8, 2005

TO: Samuel J. Lemmo, Administrator
Office of Conservation and Coastal Lands

FROM: Dean A. Nakano, Acting Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0218.

LYN:ss
Attachment(s)

RESPONSE:

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has has not been approved and [ ] is [ ] is not currently active.

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________ Phone: ____________

Signed: ___________________________ Date: ____________
March 8, 2005

Mr. Chris Yuen, Director
Planning Department
County of Hawaii
101 Pauahi Street
Hilo, Hi 96720

Dear Mr. Yuen:

Special Management Area Use Permit requirements for
Well Construction/Pump Installation Permit Application
Marietta Well (Well No. 3587-06)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by April 11, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Y. Nakama of the Commission staff at 587-0219.

Sincerely,

[Signature]

DEAN A. NAKANO
Acting Deputy Director

RESPONSE:

[ ] This well project [ ] requires [ ] does not require a SMA. If a SMA is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ______________
Mr. Rodney Couch  
P.O. Box 1329  
Kealakekua, HI 96750

Dear Mr. Couch:

Well Construction/Pump Installation Permit Application for Well No. 3587-06

We acknowledge receipt, on February 28, 2005, of your completed Well Construction/Pump Installation permit application and filing fee for the Marietta Well (Well No. 3587-06). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table ( Permit Process Worksheet 11/9/04) describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing or modifying a pump.

Upon completion of the work required under the permit, a certificate of well completion will be issued to the landowner, which transfers responsibilities for the well from the driller/pump installer to the landowner and/or operator. Until that time, the driller and landowner are responsible for all conditions of the permit.

By this acceptance letter, we are notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of pump installation completion letter is issued to the well operator and landowner. Additionally, the permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity. No certificate of well completion will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer. In other words, you may need to remove the pump and install a smaller pump at the Commission's discretion before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Lenore Y. Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), extension 70218.

Sincerely,

[Signature]

DEAN A. NAKANO  
Acting Deputy Director

LYN: ss  
Attachment  
c: Marietta Pili
## PUBLIC RECORD DATA

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Please click a link listed below to display the other screen.

There was 1 specific license class on this licensee!

***** LICENSE CLASS FOR THIS LICENSEE *****

**LIC: CT-23094 RODNEY J COUCH**

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EMPLOYEES LIST || EMPLOYERS LIST || INSURANCE/BOND || LICENSE CLASS

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REMARKS: LINE (1) Marietta Pill well, trnk: 1-5-051:257
LINE (2) 
LINE (3) 
LINE (4) 
LINE (5) 
LINE (6) 
LINE (7) 
LINE (8) 
LINE (9) 
LINE (10)
APPLICATION FOR PERMIT - Well Construction and/or Pump Installation

APPLICANT INFORMATION:

1. (a) WELL OWNER: Maretta Hil Pili, Contact Person: Phone: 981-6464
   Mailing Address: P.O. Box 139, Kamehameha, HI 96734
   Fax: 981-6464
   E-mail: MarettaPili@hawaii.:
   (b) LAND OWNER: Maretta Hil Pili, Contact Person: Phone: 981-6464
   Mailing Address: P.O. Box 139, Kamehameha, HI 96734
   Fax: 981-6464
   E-mail: MarettaPili@hawaii.
   (c) CONTRACTOR: Rodney Cen, Contact Person: Phone: 981-0945
   Mailing Address: P.O. Box 139, Kamehameha, HI 96734
   Fax: 981-6464
   E-mail: RodneyCen@hawaii.

WELL & PUMP INFORMATION:

2. WELL NAME: Maretta Hil Pili-3, Island: Hawaii
   Address: 15-1645 10th Ave, Tax Map Key: 1 5 081 457
   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK:
   (check all that apply)
   - Construct New Well
   - Install New Pump
   - Modify Existing Well
   - Modify Pump
   - Abandon/Seal

4. CONSTRUCTION:
   - Drilled
   (c) Is this well part of a battery of wells?
   - Yes
   - No (Please describe)
   - Dug
   - Stope
   - Tunnel

5. PROPOSED PUMPING RATE:
   - 25 gallons per minute

6. PROPOSED USE:
   (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Domestic (individual, noncommercial water systems)
   - Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections?
   - Yes
   - No
   - Irrigation (crop)
   - No. of Acres:

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   - 100 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   - Flowmeter
   - Open-pipe
   - Water
   - Office
   - Other (explain)

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS:
   - Conservation District Use Permit (CDUP): To find out if a CDUP is necessary, call DLNR Land Division at 808-641-144
   - Not Required
   - If required, date approved
   - Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OGC at 808-641-144
   - Not Required
   - If required, date approved
   - Special Management Area Permit (SMAP): To determine if a SMAP is necessary, on Oahu, call 627-707; on Maui, call 981-8288; on Molokai, call 273-7373; on Lanai, call 241-6677.
   - Not Required
   - If required, date approved

9. REMARKS, EXPLANATIONS:

For official use only
Latitude
Longitude
Aquifer System No.
State Well No.
10. PROPOSED WELL SECTION (Please attach schematic if different than diagram provided below)

Solid Casing Material:
- Carbon Steel: compliant with ASTM A52 (check one):
  - ASTM A242
  - Type E
  - Type S
  - Grade B
  - Grade 0
  - Other
- Stainless Steel: compliant with one):
  - ASTM A429 (grain direction preferred)
  - ASTM A312 (mirror finish)
- ABS Plastic: compliant with one):
  - Schedule 40
  - Schedule 80
- PVC Plastic: compliant with one):
  - ASTM D4980 and ASTM D1786 or ASTM D2241 (check one):
    - Schedule 40
    - Schedule 80
    - Schedule 120
  - Thermoset Plastic: compliant with one):
    - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3261
    - Reinforced Plastic Mortar Pressure Pipe conforming to AWWA C960
  - Teflon Fluorocarbon Tubing conforming to ASTM D3206
  - PTFE Fluorocarbon Tubing conforming to ASTM D2241

Open Casing Material:
- Carbon Steel: compliant with one):
  - ASTM A429
  - Grade E
  - Grade S
  - Grade B
  - Grade 0
  - Other
- Stainless Steel: compliant with one):
  - ASTM A429 (grain direction preferred)
  - ASTM A312 (mirror finish)
- ABS Plastic: compliant with one):
  - Schedule 40
  - Schedule 80
- PVC Plastic: compliant with one):
  - ASTM D4980 and ASTM D1786 or ASTM D2241 (check one):
    - Schedule 40
    - Schedule 80
    - Schedule 120
  - Thermoset Plastic: compliant with one):
    - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3261
    - Reinforced Plastic Mortar Pressure Pipe conforming to AWWA C960
    - Teflon Fluorocarbon Tubing conforming to ASTM D3206
    - PTFE Fluorocarbon Tubing conforming to ASTM D2241

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Filer elevations of well components shall be submitted to the Well Construction Permit Application reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of seawater thickness or:

\[ \text{Bottom Elevation of Well Limit} = (\text{Elevation Elevation} - \text{water level of Well Limit}) \times 0.25 \]

Example: Elevation = 2 ft, Water Level Elev = 100 ft, Bottom Elevation of Well Limit = 

Solid Casing Material:
- Carbon Steel: compliant with one):
  - ANSI/WWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A106
- Stainless Steel: compliant with one):
  - ASTM A312
  - ASTM A429
  - ASTM A53
  - ASTM A106
- ABS Plastic: compliant with one):
  - Schedule 40
  - Schedule 80
- PVC Plastic: compliant with one):
  - PVC Plastic conforming to ASTM D4980 and ASTM D1786 or ASTM D2241
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Open Casing Material:
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  - API Spec. 5L
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