WELL CONSTRUCTION PERMIT

Oliver Well, Well No. 3587-08

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 Oliver Well (Well No. 3587-08) at TMK 1-5-50:42, 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 Resource 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/alnr/cwnnlfonns.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.

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/alnr/cwnnlfonns.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 invoking 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. 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.

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: March 7, 2005
Expiration Date: March 7, 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 starting from the permit date of approval.

Driller's Signature:  Rod Diamond
C-57 License #: 8282379

Printed Name: Rod Diamond
Firm or Title: Driller

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
NOTICE TO START DRILLING

DATE: 03/09/2005

This is to inform you that we would like to start well construction on the OLIVER WELL, Well No. 3587-08 and would like to use the test pump as the permanent pump prior to final pump installation permit issuance.

Fill free to call me at 808-987-8100 or home 808-966-6398.

Rod Diamond  Well Driller/ Contractor BC23379
Ref: 3587-08.wcp

Mr. Rodney K. Diamond
HCR 3 Box 14073
Keaau, HI 96749-9229

Dear Mr. Diamond:

Well Construction Permit
Oliver Well (Well No. 3587-08)

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.

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.hi.us/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,

Peter T. Young
Chairperson

Enclosures

C: USGS
DWS
WELL CONSTRUCTION PERMIT

Oliver Well, Well No. 3587-08

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

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1. The Chairperson of 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 authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

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4. In basalt ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basalt 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/owm/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 shall be submitted to the Chairperson prior to any work being performed. 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.

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. 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.

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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: March 7, 2005
Expiration Date: March 7, 2007

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 starting 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
### Well Check Program

4/1/04 - Revised for update to Well Standards (February 2004)

#### Data Input

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>3587-08</td>
</tr>
<tr>
<td>Well Name</td>
<td>Oliver</td>
</tr>
<tr>
<td>Ground Elevation</td>
<td>100</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>80</td>
</tr>
<tr>
<td>Grouting Method</td>
<td>other</td>
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<tr>
<td>Hole Diameter</td>
<td>12</td>
</tr>
<tr>
<td>Total Depth</td>
<td>110</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>10</td>
</tr>
<tr>
<td>Public Water Supply Well?</td>
<td>no</td>
</tr>
<tr>
<td>Solid Casing Material</td>
<td>PVC plastic, plastic</td>
</tr>
<tr>
<td>Solid Casing Specification</td>
<td>Schedule 40</td>
</tr>
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<td>100</td>
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<td>Solid Casing Diameter</td>
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<tr>
<td>Solid Casing Wall Thickness</td>
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<tr>
<td>Open Casing Length</td>
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</tbody>
</table>

#### Results

**Well Depth**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>410</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
<td>102.5</td>
</tr>
<tr>
<td>Depth of Well below Sea Level</td>
<td>10 ok</td>
</tr>
</tbody>
</table>

**Well Casing**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Wall Thickness</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>PVC plastic</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
<td>no requirement</td>
</tr>
<tr>
<td>Well Thickness Provided</td>
<td>too small</td>
</tr>
<tr>
<td>Minimum Length of Solid Casing</td>
<td>81</td>
</tr>
<tr>
<td>90% of ground to top of aquifer</td>
<td></td>
</tr>
<tr>
<td>CAS Grout Diameter Provided</td>
<td>112</td>
</tr>
<tr>
<td>CAS Casing Material Provided</td>
<td>Schedule 40</td>
</tr>
<tr>
<td>(Not Achieving Check for 200' limit)</td>
<td>in compliance</td>
</tr>
</tbody>
</table>

**Annular Space**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Grouting</td>
<td>63</td>
</tr>
<tr>
<td>Calculated Depth of Grouting</td>
<td></td>
</tr>
<tr>
<td>Depth of Grouting provided</td>
<td>50 ok</td>
</tr>
<tr>
<td>Minimum Annular Space required</td>
<td>2</td>
</tr>
<tr>
<td>Thickness of Annular Space</td>
<td>3 ok</td>
</tr>
</tbody>
</table>
February 4, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawacka, Hazardous Evaluation and Emergency Response
Alic Wong, Clean Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application
Oliver Well (Well No. 3587-08)

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 March 7, 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 having 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 and 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 Regulations.

[ ] An NPDES permit is required.

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

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

[ ] No comments/objections

Contact Person: Loni Kajiwara
Phone: 586-4544
Date: 02-24-05

Signed: Claire Kajiwara
February 4, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application
Oliver 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 March 7, 2005. If we do not receive comments of 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.

LYNs

Attachement(s)

RESPONSE:

[ ] The well qualifies as a source which will serve as a source of possible water to a public water system (defined as serving 25 or more people for at least 60 days per year or having 15 service connections and must receive Director of Health approval) to be used to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Public Water Systems, §11-20-20.

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

[ ] If the well is to supply both potable and non-potable uses 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 systems 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).

[ ] An NPDES permit is required.

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

[ ] No comments/observations.

Contact Person: [Signature]
Phone: 586-4258

Signed: [Signature]
Date: FEB-4-2005
February 4, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawakoe, Hazardous Evaluation and Emergency Response
Alce Wong, Clean Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application
Oliver Well (Well No. 3587-08)

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 March 7, 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 as
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 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 10, Rules Relating to Potable Water Systems, §11-20-23.

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 prior 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 spots 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 [1] is located near the proposed well site (information attached).

6. An NPDES permit is required.

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

No comments/objections

Contact Person: Yvonne Y. Ueki
Phone: 586-4309
Date: 2/8/05

Signed: Yvonne Y. Ueki
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
February 4, 2005

TO: Dede Mamiya, Administrator  
    Land Division

FROM: Yvonne Y. Izu, Deputy Director  
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
         Oliver Well (Well No. 3587-08)

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 March 7, 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:

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

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

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

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

[] No objections

[X] Other comments: Original source of private title was issued prior to statehood in 1959.

Contact Person: Gary Martin  
Phone: 587-0218

Signed: Gary Martin  
Date: 2002 6-8-1
February 4, 2005

Mr. Rodney K. Diamond
HCR 3 Box 14073
Keeau, HI 96749-9229

Dear Mr. Diamond:

Well Construction/Pump Installation Permit Application for Well No. 3587-08

We acknowledge receipt, on February 2, 2005, of your completed Well Construction/Pump Installation permit application and filing fee for the Oliver Well (Well No. 3587-08). 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 Lenore Y. Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), extension 70218.

Sincerely,

YVONNE Y. IZU
Deputy Director

LYN:ss
February 4, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application
Oliver Well (Well No. 3587-08)

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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 25, 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).

[] An NPDES permit is required.

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

[] No comments/objections

Contact Person: ___________________________ Phone: ___________________________
Signed: ___________________________ Date: ___________________________
TO: Dede Mamiya, Administrator  
Land Division  

FROM: Yvonne Y. Izu, Deputy Director  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation Permit Application  
Oliver Well (Well No. 3587-08)  

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 March 7, 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:

[ ] 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. ______________________

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________  Phone: ______________

Signed: ___________________________  Date: ______________
February 4, 2005

TO: Melanie Chinen, Administrator
Historic Preservation

FROM: Yvonne Y. Izu, Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Oliver Well (Well No. 3587-08)

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 March 7, 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:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

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

[ ] No objections

[ ] Other comments:

Contact Person: _______________________ Phone: ______________

Signed: _______________________________ Date: _______________
There were 2 specific license classes on this licensee!

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

LIC: CT-23379  RODNEY K DIAMOND

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<-Back    New Search->

http://www.ehawaiigov.org/serv/pvl?f=n&a=LC&licno=23379&lictp=CT&off=0&nm=R...  2/2/2005
### PUBLIC RECORD DATA

**Owner:** OLIVER, PATRICIA S  
**Tax Payer:** OLIVER, PATRICIA S  
**Tax Bill:** PO BOX 10960, HILO, HI 96721 USA

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**SALES**  
4/15/2004 DEED-M  
$36,000 LCD 3096746 TCT 692845  
OLIVER, PATRICIA SUSANNE, Single Person or Individual(Tenants in Severalty)

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.

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Remarks:
LINE (1)  Gibson Well
LINE (2)  Oliver Well
LINE (3)  Hendershot II Well
LINE (4)  
LINE (5)  
LINE (6)  
LINE (7)  
LINE (8)  
LINE (9)  
LINE (10) 

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

Well Construction and/or Pump Installation

APPLICANT INFORMATION:
Instructions: Please fill in the diagram on the back of this form.

1. (a) WELL OWNER: [Name]
   Contact Person: [Name]
   Phone: [Number]

   (b) LAND OWNER: [Name]
   Contact Person: [Name]
   Phone: [Number]

   (c) CONTRACTOR: [Name]
   Contact Person: [Name]
   Phone: [Number]

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: [Name]
   Address: [Address]
   Island: [Island]
   Tax Map Key: [Key]

   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 map
   (b) 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
   • EIS
   • State Well No.: [Number]

4. CONSTRUCTION:
   • Drilled
   • Dug
   • Shaft
   • Tunnel
   Is this well part of a battery of wells? [Yes] No
   □ No (Please describe)

5. PROPOSED PUMPING RATE: [Rate] gallons per minute

6. PROPOSED USE: (check all that apply)
   □ Municipal (including hotels, stores, etc.)
   □ Industrial
   □ Domestic (individual, non-commercial water system)
   □ Irrigation (crop)
   □ Military
   □ Other: [Explain]

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: [Amount] gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      ◦ Flowmeter
      ◦ Open pipe
      ◦ Weir
      ◦ Orifice
      ◦ Other: [Explain]

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can issue a permit.
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 808-6414
   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OEC at 808-4165
   Special Management Area Permit (SMAP) To determine if an SMAP is necessary, on Oahu, call 808-5374; on Maui, call 808-8288; for Molokai, call 808-5773; for Lanai, call 808-567.
   Archeological Requirements: To find out if an archeological work is required, on Oahu, call Tracy Jourdain at 808-8282; on Maui, call MaryAnne Malan at 808-3430, or on Molokai, call Tracy Jourdain at 808-8282, or on Lanai, call Nancy McNaughton at 808-7033.

9. REMARKS, EXPLANATIONS:

   (If more space is needed, please attach additional sheet)

   NOTE: Signing below indicates the signatures understand and swear to the information provided on this application is accurate and true to the best of their knowledge. Further, the signatures understand and know that this application attaches the following standard conditions: 1) the proposed work is to be completed within (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion abandonment report within 90 days after completion of the proposed work; 3) monthly water use data shall be submitted to the Commission; 4) each permit shall not constitute a determination of comparative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought into compliance, and any work done while the permit is in suspension may result in fines of up to $1000/day.

   Well Owner: [Name]
   Landowner: [Name]
   Contractor: [Name]
   Print Legibly:
   Print Legibly:
   Print Legibly:

   Date: [Date]

For official use only
Latitude: [Latitude]
Longitude: [Longitude]
Aquifer System No: [Number]
State Well No: [Number]
10. PROPOSED WELL SECTION

(Please attach schematic if different from diagram provided below)

Elevation at top of casing 10 ft. mafl

Cement Grout: 90 ft. (min. 70% of distance from ground elevation to top of water source or 500 ft, whichever is less.)

Annular space between hole and casing (min.3):

Rock or Gravel Packing:

Total Depth 100 ft.

Material:

- Crushed Basalt
- Round Gravel

Estimated Water Level Elevation 10 ft. mafl

Minimum of 2 Round & 4 Thick Concrete Pad to contain benchmark surveyed to nearest 0.001 ft.

Ground Elevation: 100 ft. mafl

Solid Casing: (95% x (Ground Elev. - Water Level Elev.))

Total Length: 100 ft.

Nominal Diameter: 6 in.

Wall Thickness: Schedule 40

Bottom Elevation: 0 ft. mafl

Open Casing: (Perforated) Screen

Total Length: 100 ft.

Nominal Diameter: 6 in.

Wall Thickness: Schedule 40

Bottom Elevation: 0 ft. mafl

Note: Neither bentonite nor mud should be used in seawater areas downstream.

Solid Casing Material:

Carbon Steel: compliant with (check one or more):

- ANSI/AWWA C200
- APLISpec. 5L
- ASTM A53
- ASTM A139

Stainless Steel: (check one):

- ASTM A409 (production wells)
- ASTM A312 (monitor wells)

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one):

- Schedule 40
- Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):

- Schedule 40
- Schedule 60
- Schedule 120

Thermoset Plastic: (check one):

- Filament Wound Resin Pipe conforming to ASTM D2997
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
- PTFE Fluorocarbon Tubing conforming to ASTM D3296
- FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

Carbon Steel: compliant with (check one or more):

- ANSI/AWWA C200
- APLISpec. 5L
- ASTM A53
- ASTM A139

Stainless Steel: (check one):

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- PTFE Fluorocarbon Tubing conforming to ASTM D3296
- FEP Fluorocarbon Tubing conforming to ASTM D3296

* The approximate elevation must be referenced to mean sea level (mafl) at the line of application fitting. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment report and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basalt Wells - bottom elevation of well shall not be deeper than 1/4 of aquifer thickness or,

Bottom Elevation of Well Limit = (Water Elevation - (1/4 Water Level Elevaion))

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - (1/4 Water Level Elevaion)) = -18.5 ft.

HAWAI well CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.

Please refer to the diagram provided below.

Please attach schematic if different from diagram provided below.