August 16, 2010

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 14:

**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.

2. 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. Also, please contact the Noise Radiation and Indoor Air Quality Branch at 586-4700 to check compliance with construction noise permit requirements for this project.

3. The permittee shall conduct aquifer pump tests in accordance with the Hawaii Well Construction and Pump Installation Standards (revised February 2004) on the latest aquifer pump test data forms, which are available by contacting staff or on the web at www.hawaii.gov/dlnr/cwrml/forms.htm.

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 copy to the Commission office 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 Ryan Imata of the Commission staff at 587-0255.

Sincerely,

[Signature]

LAURA H. THIELEN
Chairperson

Enclosure

c: Les Sherrill (with applicable comments – DOH WWB, CWB)
USGS
PUMP INSTALLATION PERMIT
Sherrill Well, Well No. 2144-01

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 Sherrill Well (Well No. 2144-01) at TMK 4-2-098:005, Oahu, 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 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules (HAR).

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 50 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 sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/resources_permits.htm for current form).

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, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

10. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

12. 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.

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

Date of Approval: July 12, 2010
Expiration Date: July 12, 2012

LAURA H. THIELEN, 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 #: ________________ Date: ________________

Printed Name: Tracie Sober Firm or Title: Valley Well Drilling, LLC

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

Attachments
Ms. Tracie Sober  
Valley Well Drilling, LLC  
91-458 Komohana Street  
Kapolei, HI 96707  

Dear Mr. Sober:

Well Construction Permit  
Sherrill Well (Well No. 2144-01)

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 a permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 17:

**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. Also, please contact the Noise Radiation and Indoor Air Quality Branch at 586-4700 to check compliance with construction noise permit requirements for this project.

2. The well shall be grouted in lifts in order for the PVC casing to exceed the 200' limit described in Section 2.4(d) of the Hawai'i Well Construction and Pump Installation Standards.

Please refer to the Permit Processes Worksheet (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 copy to the Commission office for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrmlforms.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 Ryan Imata of the Commission staff at 587-0255.

Sincerely,

[Signature]

LAURA H. THIELEN  
Chairperson

Enclosures

c: Les Sherrill (with applicable comments – DOH WWB, CWB)  
USGS
WELL CONSTRUCTION PERMIT
Sherrill Well, Well No. 2144-01

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 Sherrill Well (Well No. 2144-01) at TMK 4-2-098:005, Oahu, 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 (HAR).

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 or at www.hawaii.gov/dlnr/cwrmlresources_permits.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 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 basal ground water unless otherwise authorized by the Chairperson. If it can be shown that the well does not tap basalt ground water then this condition may be waived after consultation with and acceptance by Commission staff. However, in no instance can the well be drilled deeper than one-half (1/2) of the theoretical thickness without Commission approval.

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 historically significant 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' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

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/cwrmlresources_permits.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, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

11. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

12. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

13. 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.

14. 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), HAR, prior to any well sealing or plugging work.

15. 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.

16. 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 §13-168-12(f), HAR.

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

Date of Approval: July 12, 2010
Expiration Date: July 12, 2012

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 #: C-24947 Date: ___________________________

Printed Name: Tracie Sober Firm or Title: Valley Well Drilling, LLC

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

Attachment
<table>
<thead>
<tr>
<th>WELL NUMBER</th>
<th>2144-01</th>
<th>WELL NAME</th>
<th>Sherrill</th>
</tr>
</thead>
</table>

**Application Type**
- BOTH

**WCP**
- 1 WCP COVER LETTER
- 2 WCP
- 3 WELL CHECK PRINTOUT

**Comments**
- if checked, send to applicant

<table>
<thead>
<tr>
<th>Comments</th>
<th>Date Rec'd</th>
<th>Issues?</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDWB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WWB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BWS (Oahu)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Valley Well Drilling
- Valley Well Drilling
- 24947
- 91-235 Oihana Street Suite A
- Kapolei
- HI
- 96707
- phone: 682-1767
- fax: 0
- cell: 0
- TMK: 4-2-098:005
- Pump Capacity: 50
- Well Owner: Les Sherrill
- Land Owner: Les Sherrill
- Comment Deadline: 7/12/10
- 90-Day Deadline: 7/12/10

**Please:**
- Review & Comment
- Take Action
- Type Draft
- Type Final
- File
- Xerox copies
<table>
<thead>
<tr>
<th>Approved</th>
<th>Well No.</th>
<th>Well Name</th>
<th>Applicant</th>
<th>Driller</th>
<th>Pump Inst.</th>
<th>Type</th>
<th>Well Construction</th>
<th>Issued</th>
<th>Signed</th>
<th>WCR1 Accept</th>
<th>Pump Installation</th>
<th>Issued</th>
<th>Signed</th>
<th>WCR2 Accept</th>
</tr>
</thead>
<tbody>
<tr>
<td>4463-05</td>
<td>North Point 12</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BMW 6</td>
<td>Del Monte Fresh Produce</td>
<td></td>
<td>C-24947</td>
<td>BOTH</td>
<td></td>
<td>8/9/2007</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3901-01</td>
<td>Paumalu</td>
<td>Sean Ginella</td>
<td></td>
<td>C-24947</td>
<td>BOTH</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1225-03</td>
<td>Kilauea-KPGI III</td>
<td>Ahaina Hou Land, LLC</td>
<td></td>
<td>C-24947</td>
<td>Pump</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4463-06</td>
<td>North Point 12A</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4463-07</td>
<td>North Point 12B</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-17</td>
<td>Mera 11</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-18</td>
<td>Mera 11A</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-19</td>
<td>Mera 11B</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-14</td>
<td>Kona Blue 10</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4361-01</td>
<td>Queen K 13</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-15</td>
<td>Kona Blue 10A</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4262-05</td>
<td>Moana 9A</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4262-06</td>
<td>Moana 9B</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4262-04</td>
<td>Moana 9</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4363-16</td>
<td>Kona Blue 10B</td>
<td>NELHA</td>
<td></td>
<td>C-24947</td>
<td>Well</td>
<td></td>
<td>4/1/2009</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved</td>
<td>Well No.</td>
<td>Well Name</td>
<td>Applicant</td>
<td>Driller</td>
<td>Pump Inst.</td>
<td>Type</td>
<td>Issued</td>
<td>Signed</td>
<td>WCR1</td>
<td>Accept</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td>-----------</td>
<td>-----------</td>
<td>---------</td>
<td>------------</td>
<td>------</td>
<td>--------</td>
<td>--------</td>
<td>------</td>
<td>--------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved Date</td>
<td>Well No.</td>
<td>Well Name</td>
<td>Applicant</td>
<td>Driller</td>
<td>Pump Inst.</td>
<td>Type</td>
<td>Issued</td>
<td>Signed</td>
<td>WCR1 Accept</td>
<td>WCR2 Accept</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>---------</td>
<td>--------------------</td>
<td>-------------------------</td>
<td>---------</td>
<td>------------</td>
<td>------</td>
<td>--------</td>
<td>--------</td>
<td>-------------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Well Check Program  
4/1/04 - Revised for update to Well Standards (February 2004)

<table>
<thead>
<tr>
<th><strong>Data Input</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>2144-01</td>
</tr>
<tr>
<td>Well Name</td>
<td>Sherrill</td>
</tr>
<tr>
<td>Ground Elevation</td>
<td>200</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>140</td>
</tr>
<tr>
<td>Grouting Method</td>
<td>positive displacement</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>10</td>
</tr>
<tr>
<td>Total Depth</td>
<td>220</td>
</tr>
<tr>
<td><strong>Water Level</strong></td>
<td></td>
</tr>
<tr>
<td>Depth of Well below Sea Level</td>
<td>-20 okay</td>
</tr>
<tr>
<td>Public Water Supply Well?</td>
<td>no</td>
</tr>
<tr>
<td>Solid Casing Material</td>
<td>pvc plastic</td>
</tr>
<tr>
<td>Solid Casing Specification</td>
<td>Schedule 40</td>
</tr>
<tr>
<td>Solid Casing Length</td>
<td>180</td>
</tr>
<tr>
<td>Solid Casing Diameter</td>
<td>6</td>
</tr>
<tr>
<td>Solid Casing Wall Thickness</td>
<td>0.000</td>
</tr>
<tr>
<td>Open Casing Length</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Results</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Well Depth</strong></td>
<td></td>
</tr>
<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>7380</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
<td>1845</td>
</tr>
<tr>
<td><strong>Depth of Well below Sea Level</strong></td>
<td>-20 okay Section 2.2</td>
</tr>
<tr>
<td><strong>Well Casing</strong></td>
<td></td>
</tr>
<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><strong>Wall Thickness Provided</strong></td>
<td>0 no standard Section 2.4(b)</td>
</tr>
<tr>
<td><strong>Minimum Length of Solid Casing</strong></td>
<td>18</td>
</tr>
<tr>
<td>90% of ground to top of aquifer</td>
<td>18</td>
</tr>
<tr>
<td><strong>Length of solid casing Provided</strong></td>
<td>180 okay Section 2.4(c)</td>
</tr>
<tr>
<td><strong>Casing Material</strong></td>
<td>Schedule 40 in compliance Section 2.4(d)</td>
</tr>
<tr>
<td><strong>(for pvc only - check for 200' limit)</strong></td>
<td>too deep for plastic Section 2.4(d)</td>
</tr>
<tr>
<td><strong>Annular Space</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth of Grouting</strong></td>
<td></td>
</tr>
<tr>
<td>Calculated Depth of Grouting</td>
<td>14</td>
</tr>
<tr>
<td><strong>Depth of Grouting provided</strong></td>
<td>140 okay Section 2.6(c)</td>
</tr>
<tr>
<td>Minimum Annular Space required</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Thickness of Annular Space</strong></td>
<td>2 okay Section 2.6(d)</td>
</tr>
</tbody>
</table>
June 7, 2010

TO: Dr. Puaalaokalani Aiu, Administrator
   Historic Preservation

FROM: Ken C. Kawahara, P.E., Deputy Director
       Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
          Sherill Well (Well No. 2144-01) TMK: 4-2-098:005

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 July 12, 2010. 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 Ryan Imata of the Commission staff at 587-0255. 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.

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:

"NO HISTORIC PROPERTIES AFFECTED"

Contact Person: Nancy McHale

Phone: 692-8025

Signed: [Signature]

Date: 6/12/2010
June 7, 2010

TO: Morris Atta, Administrator  
Land Division

FROM: Ken C. Kawahara, P.E., Deputy Director  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Sherill Well (Well No. 2144-01) TMK 4-2-098:005

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 July 12, 2010. 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 Ryan Imata of the Commission staff at 587-0255.

RI:ts
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. __________________________.

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

[ ] No objections

☑ Other comments: Original source of private title is Mahele Award 44:2 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: June 10, 2010
Subject: National Pollutant Discharge Elimination System Regulations for the Well
Constructions/Pump Installation Permit Application(s) for the Subject Well(s)

Well Nos. 2583-02, 3486-09, 3787-14, 2144-01

Dear Mr. Imata:

The Department of Health, Clean Water Branch (CWB) has the following comments for the
subject well(s):

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 (HAR), Title 11,
   Treated process wastewater effluent covered by this general permit includes well
   drilling slurries, lubricating fluids wastewater, and well purge wastewater. This general
   permit does not cover well pump testing. The applicable Notice of Intent (NOI) Forms
   and filing fee shall be submitted at least 30 calendar days before the start of discharge
to the:

   Department of Health

   Clean Water Branch

   919 Ala Moana Boulevard, Room 301

   Honolulu, Hawaii 96814-4920

   The CWB-NOI Forms are available online at
   http://www.hawaii.gov/health/environmental/water/cleanwater/forms/genl-index.htm
   
   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
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 the 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.

3. For Construction Activities Disturbing One (1) or More Acres of Total Land Area

By HAR, Title 11, Chapter 55, Appendix C, effective October 22, 2007, and compiled June 15, 2009, an NPDES permit or Notice of General Permit Coverage is required before the start of the construction activities that result in the disturbance of one (1) or more acres of total land area, including clearing, grading, and excavation. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NOI (see Comment No. 1, above) shall be submitted 30 calendar days before the start of construction activities.

Thank you for the opportunity to comment,

Joanna
Joanna L. Seto
Engineering Section Supervisor
Clean Water Branch
State of Hawaii Department of Health
Phone: (808) 586 - 4309
Fax: (808) 586-4352

Notice: This information and attachments are intended only for the use of the individual(s) or entity to which it is addressed, and may contain information that is privileged and/or confidential. If the reader of this message is not the intended recipient, any dissemination, distribution, or copying of this communication is strictly prohibited and may be punishable under state and federal law. If you have received this communication and/or attachments in error, please notify the sender via e-mail immediately and destroy all electronic and paper copies.
Good Morning Susan and Ryan - <<TMK 3 1 5 025 123 13th Street - Ex Csp ID43248.pdf>>
<<TMK 3 1 5 025 123 13th Street - Ex Csp screens ID 43248.doc>>

<<TMK 3 1 3 003 033 13-252 Kamaili Rd - Csp 1 - 27761.doc>> <<TMK 3 1 3 003 003 13-252 Kamaili Rd - Csp 2 - 29808.doc>> <<TMK 1 4 2 098 005 42-117 Old Kalaniaele Rd - ST.doc>>

We have the following for records/files for your requests:

Sweet Water Well, Well No. 3787-14, TMK (3) 1-5-062: 005 = No Records

Carols Well, Well No. 3486-09, TMK (3) 1-5-025: 123 - Cesspool New ID #43248

Lanham Well, Well No. 2583-02, TMK (3) 1-3-003: 033 - Cesspool New Csp 1 ID# 27761, Cesspool New Csp 2 ID#29808

Sherill Well, Well No. 2144-01, TMK (1) 4-2-098: 005 - Septic Tank ID# 39859

Attached are our OneStop Database screens and plot plans (if filed with us).

Please let me know if you need hard copies sent to you.

Aloha,
Lori

Lori Morikami, Planner
Planning & Design Section
Wastewater Branch
Department of Health
919 Ala Moana Blvd Room 309
Honolulu, Hawaii 96814
(808)586-4294 Fax (808)586-4300
e-mail: lori.morikami@doh.hawaii.gov
Please respond to this email request for comments to ryan.r.imata@hawaii.gov.


<< File: 2144-01.pdf >>

TMK 3 1 5 025 123 13th Street - Ex Csp ID43248.pdf

TMK 3 1 5 025 123 13th Street - Ex Csp screens ID43248.doc

TMK 3 1 3 003 003 13-252 Kamali Rd - Csp 2 - 29808.doc

TMK 1 4 2 098 005 42-117 Old Kalanianaole Rd - ST.doc
<table>
<thead>
<tr>
<th>Application Information</th>
<th>Review Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Permit ID:</strong> 39859</td>
<td><strong>Submit Date:</strong> 7/9/2008</td>
</tr>
<tr>
<td><strong>IWS Types:</strong> Septic Tank</td>
<td><strong>Reviewed:</strong> 7/10/2008</td>
</tr>
<tr>
<td><strong>Legacy File #:</strong> N/A</td>
<td><strong>Plan Approved:</strong> 7/10/2008</td>
</tr>
<tr>
<td><strong>Island:</strong> Oahu</td>
<td><strong>No Final Approval:</strong> Done</td>
</tr>
<tr>
<td><strong>Status:</strong> Plan Approved</td>
<td><strong>Inspection Date:</strong> 7/10/2008</td>
</tr>
<tr>
<td><strong>Variance ID:</strong></td>
<td><strong>Final Approval:</strong> Done</td>
</tr>
</tbody>
</table>

**Project Information**

- **Engineer:** Keith S. Uemura
- **TMK:** 142090005
- **Street Address:** 42-117 Old Kulanianaole Highway
- **City:** Kailua
- **Zip Code:** 96734

**Payment Information**

- **Payment Type:** Credit Card
- **Check Number:** 1
- **Check Date:** 7/9/2008
- **Payor:** Keith S. Uemura
- **Amount:** $2.00

**Done**

**Last Modified:** jong 8/10/2009 3:53 PM
### IWS System Information

#### Septic Tank Information

- **Septic Tank Liquid Volume:** 1000 gal.
- **Manufacturer:** Jensen Precast
- **6" Inspection Port(s) to grade:**
- **Manhole openings brought to grade:**
- **Remarks:** Relocating existing system for tennis court.

#### Soil Profile Information

- **Percolation Rate:** 10
- **Minimum Soil Absorption:** 185 sq. ft./bd
- **3' Groundwater Setback:**

#### Soil Absorption Information

<table>
<thead>
<tr>
<th>Soil Absorption Bed</th>
<th>Soil Absorption Trenches</th>
<th>Seepage Pit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 54 ft</td>
<td>Length:</td>
<td>Diameter:</td>
</tr>
<tr>
<td>Width: 27 ft</td>
<td>Width:</td>
<td>Lining Type:</td>
</tr>
<tr>
<td>3' Soil Replacement:</td>
<td></td>
<td>Access Opening:</td>
</tr>
<tr>
<td>Total Bed Area: 1458 sq. ft.</td>
<td>3' Soil Replacement:</td>
<td>Cover Diameter:</td>
</tr>
<tr>
<td>6&quot; Inspection Port:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: CHARLEY                  DATE: 20-Apr-10                  SUSPENSE DATE: 27-Apr-10
TO:                           INIT. TO:                         INIT. FOR:                          PLEASE:
FUJII, N.                    ___                      KUNIMURA, I.                  ___                      1 Approval
NAKAMA, L.                  ___                      UYENO, D.                     ___                      3 Signature
YODA, K.                    ___                      YOSHINAGA, M.                ___                      2 Information
HARITY, R.                  ___                      IMATA, R.                    ___                      Review & Comment
HOAGBIN, S.                  ___                      KAWAHARA, K.                 ___                      Take Action
ICE, C.                      ___

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 PERMIT PROCESS TABLE
3 CWRM MAP
4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNER VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN
10 BACKGROUND CHECK
11 $25 FEE DEPOSIT SLIP
12 DHP/CDUP/SMAP pre-screen

WELL NUMBER 2144-01     WELL NAME Sherrill     WUP Number na - individual dome:
□ WELL CONSTRUCTION    □ PUMP INSTALLATION    □ WUPA

(SMA map printout http://gis.hicentral.com/website/parcelzoning/viewer.htm, or INGRID'S SMA/CD MAP)
(LUC map printout http://luc.state.hi.us/luc_maps.htm, or INGRID'S SMA/CD MAP)

FOLDER:
☑ MADE NEW FILE FOLDER, ATTACHED
☐ FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:
DATE ACTION

- Charley, ple help Ryan on this. No wtp region
- follow up re new issue, will return
stic
Ms. Tracie Sober  
Valley Well Drilling  
91-458 Komohana Street  
Kapolei, HI 96707  

Dear Ms. Sober:

Well Construction/Pump Installation Permit Application for Well No. 2144-01

We acknowledge receipt, on April 13, 2010, of your completed Well Construction/Pump Installation permit application and filing fee for the Sherill Well (Well No. 2144-01). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By this acceptance letter, we are also notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of well construction/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 pump installation will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. 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 Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70255.

Sincerely,

[Signature]

KEN C. KAWAHARA, P.E.  
Deputy Director

Attachment  
c: Les Sherrill
June 7, 2010

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Acting Chief, Wastewater Branch
   Stuart Yamada, Chief, Safe Drinking Water Branch
   Alec Wong, Chief, Clean Water Branch
   Dr. Keith Kawakaka, Office of Hazard Evaluation and Emergency Response

FROM: Laura H. Thielen, Chairperson
       Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application

Sherill Well (Well No. 2144-01) TMK 4-2-098:005
   Well address: 42-117 Old Kalanianaole Road

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 July 12, 2010. 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 Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (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 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 [ ] 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: ___________________ Phone: ________________
Signed: ___________________ Date: ________________
June 7, 2010

TO: Morris Atta, Administrator
   Land Division

FROM: Ken C. Kawahara, P.E., Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Sherill Well (Well No. 2144-01) TMK 4-2-098:005

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 July 12, 2010. 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 Ryan Imata of the Commission staff at 587-0255.

RI: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. _______________.

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________________ Phone: __________________

Signed: _________________________________________ Date: __________________
June 7, 2010

TO: Dr. Puaalaokalani Aiu, Administrator
   Historic Preservation

FROM: Ken C. Kawahara, P.E., Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Sherill Well (Well No. 2144-01) TMK: 4-2-098:005

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 July 12, 2010. 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 Ryan Imata of the Commission staff at 587-0255. 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.

RI: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: _______________
June 7, 2010

Mr. Wayne M. Hashiro, P.E., Manager and Chief Engineer
Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, HI 96843

Dear Mr. Hashiro:

Well Construction/Pump Installation Permit Review
Well Construction/Pump Installation Permit Application
Sherill Well (Well No. 2144-01)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application. If you have any comments on this application, please submit them by July 12, 2010. If we do not receive comments we will assume you have no comments.

If you have any questions about this permit application, please contact Ryan Imata of the Commission staff at 587-0255.

Sincerely,

Laura H. ThieLEN
Chairperson

Attachments
<table>
<thead>
<tr>
<th>Business/Person Name</th>
<th>License</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>VALLEY WELL DRILLING LLC</td>
<td>CT-24947</td>
<td>91-458 KOMOHANA ST KAPOLEI HI 96707</td>
<td></td>
</tr>
</tbody>
</table>
(c) The proposing agency or applicant shall respond in writing to the comments received or postmarked during the forty-five-day review period and incorporate the comments and responses in the final EIS. The response to comments shall include:

1. Point-by-point discussion of the validity, significance, and relevance of comments; and
2. Discussion as to how each comment was evaluated and considered in planning the proposed action.

The response shall endeavor to resolve conflicts, inconsistencies, or concerns. Response letters reproduced in the text of the final EIS shall indicate verbatim changes that have been made to the text of the draft EIS. The response shall describe the disposition of significant environmental issues raised (e.g., revisions to the proposed project to mitigate anticipated impacts or objections, etc.). In particular, the issues raised when the applicant’s or proposing agency’s position is at variance with recommendations and objections raised in the comments shall be addressed in detail, giving reasons why specific comments and suggestions were not accepted, and factors of overriding importance warranting an override of the suggestions.

(d) An addendum document to a draft environmental impact statement shall reference the original draft environmental impact statement it attaches to and comply with all applicable filing, public review, and comment requirements set forth in subchapter 7. [Eff 12/6/85; am and comp AUG 31 1996] (Auth: HRS §343-5, 343-6) (Imp: HRS §343-5, 343-6)

§11-200-23 Acceptability.
(a) Acceptability of a statement shall be evaluated on the basis of whether the statement, in its completed form, represents an informational instrument which fulfills the definition of an EIS and adequately discloses and describes all identifiable environmental impacts and satisfactorily responds to reviews comments.

(b) A statement shall be deemed to be an acceptable document by the accepting authority or approving agency only if all of the following criteria are satisfied:

1. The procedures for assessment, consultation process, review, and the preparation and submission of the statement, have all been completed satisfactorily as specified in this chapter;
2. The content requirements described in this chapter have been satisfied; and
3. Comments submitted during the review process have received responses satisfactory to the accepting authority, or approving agency, and have been incorporated in the statement.

(c) For actions proposed by agencies, the proposing agency may request the office to make a recommendation regarding the acceptability or non-acceptability of the EIS. In cases involving state funds or lands, the governor or an authorized representative shall have final authority to accept the EIS. In cases involving only county funds or lands, the mayor of the respective county or an authorized representative shall have final authority to accept the EIS. Upon acceptance or non-acceptance of the EIS, a notice shall be filed by the appropriate accepting authority with both the proposing agency and the office. For any non-accepted EIS, the notice shall contain specific findings and reasons for non-acceptance. The office shall publish notice of the determination of acceptance or non-acceptance in the periodic bulletin in accordance with section 11-200-3. Acceptance of a required statement shall be a condition precedent to the use of state or county lands or funds in implementing the proposed action.

(d) For actions proposed by applicants requiring approval from an agency, the applicant or accepting authority may request the office to make a recommendation regarding the acceptability or non-acceptability of the statement. If the office decides to make a recommendation, it shall submit the recommendation to the applicant and the approving agency within the thirty-day period requiring an approving agency to determine the acceptability of the final EIS and described in section 343-5(c), HRS. Upon acceptance or non-acceptance by the approving agency, the agency shall notify the applicant of its determination, and provide specific findings and reasons. The agency shall also provide a copy of this determination to the office for publication of a notice in the periodic bulletin. Acceptance of the required EIS shall be a condition precedent to approval of the request and commencement of the proposed action. An approving agency shall take prompt measures to determine the acceptability or non-acceptability of the applicant’s statement. The agency shall notify the applicant and the office of the acceptance or non-acceptance of the final EIS within thirty days of the final EIS, provided that the thirty-day period may be extended at the request of the applicant for a period not to exceed fifteen days. The request shall be made to the accepting authority in writing. Upon receipt of an applicant’s request for an extension of the thirty-day acceptance period, the accepting authority shall notify the office and applicant in writing of its decision to grant or deny the request. The notice shall be accompanied by a copy of the applicant’s request. An extension of the thirty-day acceptance period shall not be allowed merely for the convenience of the accepting authority. In the event that the agency fails to make a determination of acceptance or non-acceptance for the statement within thirty days of the receipt of the final EIS, then the statement shall be deemed accepted.

(e) A non-accepted EIS may be revised by a proposing agency or applicant. The revision shall take the form of a revised draft EIS document which shall fully address the inadequacies of the non-accepted EIS and shall completely and thoroughly discuss all changes made. The requirements for filing, distribution, publication of availability for review, acceptance or non-acceptance, and notification and publication of acceptability shall be the same as the requirements prescribed by sections 11-200-20, 11-200-21, 11-200-22, and 11-200-23 for an EIS submitted for acceptance. In addition, the revised draft EIS shall be evaluated for acceptability on the basis of whether it satisfies the standards for acceptability.

(f) A proposing agency or applicant may withdraw an EIS by sending a letter to the office informing the office of the agency’s or applicant’s withdrawal. Subsequent resubmittal of the EIS shall meet all requirements for filing, distribution, publication, review, acceptance, and notification as a new EIS. [Eff 12/6/85; am and comp AUG 31 1996] (Auth: HRS §343-5, 343-6) (Imp: HRS §343-5, 343-6)
Assessed values and Building Details reflect tax year 2010 for all Islands. Taxes reflect tax year 2009.

Search criteria: TMK Taxkey 1-4-2-98-5

<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo</th>
<th>Tnr</th>
<th>Address</th>
<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
<th>Liv area</th>
<th>Last Sale</th>
<th>Instr</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-4-2-98-5</td>
<td>Olomana F</td>
<td>42-117 OL D</td>
<td>SHERRILL, KALANIANAOLE LESLIE R &amp; RD LAURA K</td>
<td>3</td>
<td>5</td>
<td>2.00 ac</td>
<td>9,759</td>
<td>7/1/2003 DEED</td>
<td>$1,</td>
<td></td>
</tr>
</tbody>
</table>

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

Copyright ©6/2/2010 by Hawaii Information Service
<table>
<thead>
<tr>
<th>SRC/ COST F YR APP D OBJ CTR PROJECT PH ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 10 326 C 1026 0752</td>
<td>(1) $25.00</td>
<td>Les R. Sherrill</td>
</tr>
<tr>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(9)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(10)</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** $25.00

**REMARKS:**

LINE (1) Sherrill Well
LINE (2)
LINE (3)
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
**STATE OF HAWAII**
**DEPARTMENT OF LAND AND NATURAL RESOURCES**
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96809. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 887-0225. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwrm.

---

### WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>1. STATE WELL NO. (if already assigned)</th>
<th>2. WELL NAME</th>
<th>3. ISLAND</th>
<th>4. TMK</th>
<th>5. WELL OPERATOR'S NAME/COMPANY</th>
<th>6. LANDOWNER'S NAME/COMPANY</th>
<th>7. WEIL OPERATOR'S PHONE/ADDRESS</th>
<th>8. WEIL OPERATOR'S Contact LAND</th>
<th>9. LANDOWNER'S Contact LAND</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SHERKLL</td>
<td></td>
<td></td>
<td>C. A. SHERKILL</td>
<td></td>
<td>421-417 Old Kekaha Mole Rd. . 241-9472</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### PROPOSED WELL CONSTRUCTION

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Construct New Well**
- **Modify Existing Well**
- **Abandon/Seal Well**

---

### PROPOSED PUMP

<table>
<thead>
<tr>
<th>12. Proposed PUMP</th>
<th>13. Proposed Surveyor name and license number (a surveyor is required for all Weil permits)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Drafted</td>
</tr>
</tbody>
</table>

---

### OTHER LEGAL REQUIREMENTS

- **21. Conservation District Use Permit (CDUP)**
  - Well is in Conservation District
  - Required, CDUP # date approved
  - Not Required (attach documentation from OCCL)
  - I have not checked with OCCL about whether or not a CDUP is required. I understand that checking with OCCL prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

- **22. Special Management Area Permit (SMAP)**
  - Required, SMA # date approved
  - Not Required (attach documentation from applicable County agency)
  - I have not checked with the county about whether or not an SMA Permit is required. I understand that checking with the County prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

- **23. State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources**
  - I have not consulted with the HPD regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPD.
  - I have not consulted with the HPD regarding potential impacts of well construction activities on historic sites. I understand that checking with the HPD prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued. Additionally, the history of past land use is attached.

### 24. Water Use Permit No. (if applicable)

Additional remarks, explanations, etc. (attach additional sheet if more space is needed)

**NOTE:** Signing below indicates that the signatureutor understands and waives that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5000/day.

---

### 25. WELL DRILLER (Must be filled out if application is for Well Construction)

- **ValleY WELL DRILLING, LLC**
  - Licensee/business name: ValleY WELL DRILLING, LLC
  - License No: 249-777
  - Printed License Date: 4-12-10
  - Printed License Code: C-37
  - Printed License Expiration Date: 3-31-13

### 26. PUMP INSTALLER (Must be filled out if application is for Pump Installation)

- **ValleY WELL DRILLING, LLC**
  - Licensee/business name: ValleY WELL DRILLING, LLC
  - License No: 249-777
  - Printed License Date: 4-12-10
  - Printed License Code: C-37
  - Printed License Expiration Date: 3-31-13

---

**For Official Use**

**COMMISSION ON WATER RESOURCE MANAGEMENT**

**2019 APR 13 AM 9:30**

---

**WOP1 Application Form 05/20/2009**
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS: 
To ensure that your as-built is in compliance with applicable standards.

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: check one: □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one) □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
□ Reinforced Plastic Monor 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 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: check one: □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one) □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Plastic Monor 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

Please refer to the

Solid Casing: (≥ 90% x (Ground Elev.-Water Level Elev))
- Total Length: 18.0 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 0.20 in.
- Bottom Elevation: 2.0 ft., msl*

Open Casing: Perforated Screen
- Total Length: 9.0 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 0.20 in.
- Bottom Elevation: -2.0 ft., msl*

note: Neither bentonite nor mud should be used in saturated zone during drilling

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: check one: □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one) □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Plastic Monor 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 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: check one: □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one) □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Plastic Monor 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

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Elevation - 4 x Water Level Elev.)
Example: Estimated + 2 ft. Water Level Elev. ~ Bottom Elevation of Well Limit = (2 - 8.5 ft.) = -6.5 ft.

Grouting method:
- Positive displacement
- Other

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