| FROM: | Ryan |
| DATE: | 10/18/10 |

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4 yr ext. on? No. - 2 yrs is limit in 13-168-12y.
- To Susan after.
Mr. Derrick Moreira  
Derrick's Well Drilling  
P.O. Box 2187  
Keeau, HI 96749  

Dear Mr. Moreira:  

Extension of Well Construction/Pump Installation Permit for Well No. 5552-04  

This is in response to your phone call on October 18, 2010 requesting an extension for the completion date of the Well 1 (Well No. 5552-04). Your request is approved. Your new completion date is March 6, 2013. All other conditions of your permit remain the same.  

No further extensions will be granted for this permit. If you do not complete the work by this completion date, you will need to reapply for a new permit.  

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

Sincerely,  

LENORE N. OHYE  
Acting Deputy Director  

RI: ss
**Commission on Water Resource Management**

**Route Slip for Permit Issuance 6/25/08**

**From:** Ryan

**Date:** 3/6/09

**TO:**
- CHENG, C.
- CHING, F.
- CHONG, R.
- DANBABA, S.
- ENGLAND, D.
- FUJII, N.
- HARDY, R.
- HOAGBIN, S.
- ICE, C.
- IMATA, R.
- KAWAHARA, K.

**DATE:** 3/6/09

**TO:**
- KIMURA, J.
- KUNIMURA, I.
- LEROUX, E.
- MILLS, D.
- OHYE, L.
- OHYE, M.
- SAKODA, E.
- SWANSON, S.
- UYENO, D.
- YODA, K.
- YOSHINAGA, M.

**WELL NUMBER** 5552-04

**WELL NAME** Well 1

**Application Type:** BOTH

**Comments:**

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**Notes:**

- **DRILLER:** Derrick Moreira
  - Derrick's Drilling and Pump Service
  - 28002 P.O. Box 2187
  - Keeau, HI 96749
  - phone: 982-7627
  - fax: 982-7698
  - cell: 5

- **TMK:** 6-8-034:004
- **PUMP CAPACITY:** 175
- **WELL OWNER:** Alan Salzman
- **LAND OWNER:** Alan Salzman
- **COMMENT DEADLINE:** 5/21/08

**SUSPENSE DATE:**

**PLEASE:**
- 1. Review & Comment
- 2. Type Draft
- 3. Signature
- 4. Information

- **File**
- Xerox copies


**Approval date:** 3/6/09

**Pump tests**

5552-03 & 5058-07
March 9, 2009

Mr. Derrick Moreira
Derrick's Well Drilling
123 Kamehameha Highway
Keeau, HI 96749

Dear Mr. Moreira:

Pump Installation Permit
Well 1 (Well No. 5552-04)

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 reurveyed) 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/cwrm/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,

Laura H. Thielen
Chairperson

Enclosure

c: Alan Salzman (with applicable comments – DOH SDWB, WWB, CWB)
USGS
Hawaii DWS
PUMP INSTALLATION PERMIT
Well 1, Well No. 5552-04

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 Well 1 (Well No. 5552-04) at TMK 6-8-034:004, Hawaii, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 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 175 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: March 6, 2009
Expiration Date: March 6, 2011

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer's Signature: ______________________ C-57, C-57a, or A License #: C-28001 Date: __________

Printed Name: Derrick Moreira Firm or Title: Derrick's Well Drilling

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

Attachments
Mr. Derrick Moreira  
Derrick's Well Drilling  
P.O. Box 2187  
Keeau, HI 96749

Dear Mr. Moreira:

Well Construction Permit  
Well 1 (Well No. 5552-04)

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.

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/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 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]

Chairperson

Enclosures

c: Alan Salzman (with applicable comments – DOH SDWB, WWB, CWB)  
USGS  
Hawaii DWS
WELL CONSTRUCTION PERMIT

Well 1, Well No. 5552-04

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 Well 1 (Well No. 5552-04) at TMK 6-8-034:004, 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 (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 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. If it can be shown that the well does not tap basal 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(0), 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(0), HAR.

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

Date of Approval: March 6, 2009
Expiration Date: March 6, 2011

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-28001 Date: ___________________________

Printed Name: Derrick Moreira Firm or Title: Derrick's Well Drilling

Please sign both copies of this permit, return one copy to the Commission office, and retain the other for your records.
February 11, 2009

Steven S.C. Lim, Esq.
Carlsmith Ball LLP
P O Box 686
Hilo, HI  96720

Dear Mr. Lim:

Subject: Special Management Area Use Permit Assessment Application (SMAA 09-000409)
Applicant: Alan E. Salzman, Trustee of The Salzman Revocable Trust
Land Owner: Salzman Trust
Project: Construction of a Single Family Dwelling
TMK: 6-8-034:004 & 005, Pauoa Beach Subdivision, South Kohala, Hawai‘i

This is in response to your Special Management Area Use Permit Assessment Application (SMAA) received on January 27, 2009, for the construction of a single family dwelling and accessory related uses and improvements on the subject property.

We confirm that by letter dated May 6, 2008, the Planning Director granted final approval for the consolidation of parcels 4 and 5; and therefore, it is considered to be one property.

The oceanfront property consists of 2.807 acres. The County zoning is designated Resort-Hotel (V-1.25) and Open (O), along the coastal area. The property is located in the State Land Use Urban district. In addition, the entire property is within the Special Management Area.

We have reviewed our department records for this subject property and surrounding area, and the proposed construction and improvements as proposed in the application, including the photographs. We note that all components of the residential structures will be located entirely within the Resort-Hotel zoned area. The proposed recreational type of...
uses such as the pools and spas will be located both within the Resort-Hotel and Open zoned areas. Also, since all structural improvements will be located approximately 54+ feet from the shoreline, the requirement of a certified shoreline survey is waived. In addition, according to the plans, all improvements will be located outside of the FIRM Zone VE area.

According to Chapter 205A-22, Hawaii Revised Statutes and Planning Commission Rule 9-4(10)B(i) relating to Special Management Area, “development” does not include “Construction of a single-family residence that is not part of a larger development”.

Based on the above findings, we have determined that the proposed single-family dwelling and accessory related uses and improvements are exempt from the definition of “development”. In addition, the proposed construction and improvements will not have an adverse effect on the environment.

While further review of the construction of the proposed improvements against the Special Management Area rules and regulations will not be required, all other applicable Zoning and Building Code requirements must be satisfied. Additionally, this determination of exemption from the SMA definition of development is subject to compliance with the following conditions:

1. The applicant, its successors or assigns shall be responsible for complying with all stated conditions of approval.

2. The applicant shall comply with all applicable requirements of all Federal, State and County of Hawaii departments and agencies.

3. The Building Permit for the proposed single-family dwelling shall be secured within two (2) years from the date of approval of this permit.

4. The minimum shoreline setback shall be fifty (50)-feet. The fifty (50)-foot shoreline setback line must be delineated on the site/plot plan submitted with the Building Permit application.

5. A construction barrier, meeting with the approval of the Planning Director, shall be erected along the entire length of the fifty (50)-foot shoreline setback line prior to the commencement of land altering and construction activities. It shall remain in place until final inspection has been granted by the Building Division for the new single family dwelling.
6. The area makai of the fifty (50)-foot shoreline setback line shall be kept clear of any rubbish or debris resulting from construction activities at all times.

7. No land alteration, grubbing, landscaping or construction activities, including but not limited to, the stockpiling of debris, construction materials or equipment, shall occur within the fifty (50) shoreline setback area without securing a prior written determination of minor structure or activity pursuant to Rule 11-8 from the Planning Director or approval of a Shoreline Setback Variance from the Planning Commission.

8. Artificial light from exterior lighting fixtures, including, but necessarily limited to floodlights, uplights or spotlights used for decorative or aesthetic purposes shall be prohibited if the light directly illuminates, or is directed to project across property boundaries toward the shoreline and ocean waters, except as may otherwise be permitted pursuant to Section 205A-71(b), Hawaii Revised Statutes.

9. The proposed project shall not interfere with public access over the existing pedestrian access easement.

10. The Planning Department may require a shoreline survey certified by the Chair of the Board of Land and Natural Resources for any future construction or activity on the subject property.

11. An extension of time for the performance of the conditions contained herein may be granted by the Planning Director upon the following circumstances:

   a) The non-performance is the result of conditions that could not have been foreseen or are beyond the control of the applicant, successors or assigns, and that are not the result of their fault or negligence;

   b) Granting of the time extension would not be contrary to the original reasons for the granting of the determination; and

   c) The time extension granted shall be for a period of not to exceed the period originally granted for performance (i.e., a condition to be performed within one year may be extended up to one additional year).
13. The Planning Director shall initiate procedures to revoke this determination should any of the conditions not be met or substantially complied with in a timely fashion.

Should you have any questions, please feel free to contact Esther Imamura or Alice Kawaha of this office at 961-8288.

Sincerely,

BJ LEITHEAD TODD  
Acting Deputy Planning Director

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xc: Long Range Planning  
Planning Department- Kona Office
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE 6/25/08**

**FROM:** RYAN  
**DATE:** 8/25/08  
**SUSPENSE DATE:**

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**WELL NUMBER** 5552-04  
**WELL NAME** Well 1

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**COMMENTS:**
- [ ] SDWB
- [x] WWB
- [ ] CWB
- [x] LD
- [x] HP
- [ ] LUC not in CD
- [x] OCCL not in CD
- [x] SMA in SMA
- [ ] BWS

**NOTES:**
- Derrick Moreira
- Derrick's Drilling and Pump Service
- 28002
- P.O. Box 2167
- Keeau  HI  96749
- phone 982-7627
- fax 982-7698
- cell 0

**TMK** 6-8-034:004
**PUMP CAPACITY** 175
**WELL OWNER** Alan Salzman
**LAND OWNER** Alan Salzman
**COMMENT DEADLINE** 5/21/08
September 17, 2008

Mr. Derrick Moreira
Derrick’s Well Drilling and Pump Service
P.O. Box 2187
Keeau, HI 96749

Dear Mr. Moreira:

Well Construction / Pump Installation Permits for Well No. 5552-04

We have completed the review for your Well Construction and Pump Installation Permit application for the Well 1 Well (Well No. 5552-04). The County Hawaii, Planning Department has stated that a Special Management Area (SMA) Permit is required (see attached letter). The Commission on Water Resource Management (Commission) cannot legally issue any permits where an SMA Permit is required and not obtained. Based on a September 16, 2008 e-mail, we understand that you have elected to waive the 90-day application action deadline to allow the submission of the approved SMA Permit. If this is submitted within the next two years, the Commission can then issue your permits.

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

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

RI:ss
Attachment

c: Alan Salzman
### Table: Data Input

<table>
<thead>
<tr>
<th>Well Number</th>
<th>5552-04</th>
<th>Ground Elevation</th>
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<tr>
<td>Well</td>
<td>1</td>
<td>Cement Grout</td>
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<tr>
<td></td>
<td></td>
<td>Grouting Method</td>
<td>other</td>
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<td></td>
<td></td>
<td>Hole Diameter</td>
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<td></td>
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<td>Total Depth</td>
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<td></td>
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<td>Depth to Water</td>
<td>2 calculated head (3)</td>
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<td></td>
<td></td>
<td>Public Water Supply Well?</td>
<td>no</td>
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<td>Solid Casing Material</td>
<td>pvc plastic</td>
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<td></td>
<td>Solid Casing Specification</td>
<td>Schedule 40</td>
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<td>Solid Casing Length</td>
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<td>Solid Casing Diameter</td>
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<td>Solid Casing Wall Thickness</td>
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<tr>
<td></td>
<td></td>
<td>Open Casing Length</td>
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</tr>
</tbody>
</table>

### Table: Results

**Well Depth**
- Theoretical Thickness of Aquifer: 123
- 1/4 Aquifer Thickness: 30.75
- Depth of Well below Sea Level: -30 okay

**Well Casing**
- Minimum Wall Thickness
  - Material: pvc plastic
  - Minimum Thickness per standards: no requirement
  - Wall Thickness Provided: 0.28 no standard
- Minimum Length of Solid Casing: 1.8
- Length of solid casing Provided: 28 okay

**Casing Material**
- Schedule 40 in compliance
- (for pvc only - check for 200' limit): okay

**Annular Space**
- Depth of Grouting: 1.4
- Depth of Grouting provided: 28 okay
- Minimum Annular Space required: 2
- Thickness of Annular Space: 3 okay
Mr. Chris Yuen, Director
Planning Department
County of Hawaii
101 Pauahi Street
Hilo, HI 96720

Dear Mr. Yuen:

Special Management Area Use Permit
Well Construction/Pump Installation
Well 1 (Well No. 5)

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

We would appreciate your comments on the captioned app requirements specific to your division. Please respond by return.
If we do not receive comments or a request for additional review time by August 19, 2008, please 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.

Sincerely,

Ken C. Kawahara
Deputy Director

RESPONSE:

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

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

[ ] No objections

[ ] Other comments:

Contact Person: E. Imamura Phone: (808) 961-8288, ext. 257

Signed: Date: 8/5/08
July 21, 2008

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

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

SUBJECT: Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 August 19, 2008. 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 II, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

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

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

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

[] 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: Richard Palmer (HEER Office), Phone: 586-4249
Signed: Richard Palmer, Date: 8/1/2008
Subject: Well Construction/Pump Installation Permit Application(s)

Well No(s): 2485-05, 2582-01, 3586-30, 3587-16, 3587-17, 3686-24, 3686-25, 3686-26, 3687-63, 3687-64, 3688-25, 4057-05, 4161-09, 5058-08 & -09, and 5552-04.

The Department of Health, Clean Water Branch (CWB) 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 (HAR), Title 11, Chapter 55, Appendix I, effective October 22, 2007. 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.html. Inquiries may be directed to the CWB at (808) 586-4309 or by fax (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 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, 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 to the start of construction activities.
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yama, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawakami, Office of Hazard Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 August 19, 2008. 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 Iwata of the Commission staff at 587-0255.

RI: ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of possible waste 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 Department of Health approval [x] to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §§11-19-29.

[ ] This well does not qualify as a source serving a public water system (serving less than 25 people or more people at least 60 days per year or 15 service connections) and must receive Department of Health approval to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §§11-19-29.

[ ] If the well is used for drinking, the private owner should test for bacteriological and chemical analysis before initiating such use and must monitor the water quality thereafter. However, if future plan use from this source increases to meet the public water system definition then Division 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 check valve prevention, and by clearly labeling all non-potable objects 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: Joanna Seto Phone: 586-4719
Signed:𝐾𝑖𝑛𝑜 kiwami DATE: 12/29/08

08C87W
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 August 19, 2008. 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: Original source of private title is Land Commission Award 4452:3 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: JUL 22 2008
TO: Honorble Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 submitting comments to the above address by August 19, 2008. 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.

RI: ss
Attachment(s)

RESPONSE: UIC: No remarks. 7/25/2008 C. Hew

[ ]
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 that 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR) Title 17, Chapter 20, Rules Relating to Potable Water Systems, 311-20-29

[ ]
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 of the well water is used for drinking, the private owner should test for bacteriological and chemical parameters prior to raising such use and continue monitoring the water quality thereafter. However, if future plans use is this source increases to meet the public water system definition that Director of Health approval is required prior to implementation.

[ ]
If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-contamination and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow prevention, and by clearly labeling all non-potable spigots with warning signs to prevent accidental 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 [x] is located near the proposed well site (information attached)

[ ]
An NPDES permit is required.

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

[ ]
In the event that the location of the well changes but is still within the parcel described in 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: MICHAEL MURAKA Phone: 
Signed: 
Date: 7/25/08
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

July 21, 2008

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director’s Office

Stewart See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 August 19, 2008.** 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 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: Dane Hirayama in Kona
Phone: 322-1963

Signed: [Signature]
Date: 7-20-2008
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** RYAN  
**DATE:** 29-May-08  
**SUSPENSE DATE:** 5-Jun-08

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<th>TO:</th>
<th>INIT.</th>
<th>TO:</th>
<th>INIT.</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<td>CHING, F.</td>
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<td>KAWAHARA, K.</td>
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</table>

**WELL NUMBER** 552-04  
**WELL NAME** Well 1  
**WUP Number**

- **WELL CONSTRUCTION**
- **PUMP INSTALLATION**
- **WUPA**

**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

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

<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTION</th>
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<tbody>
<tr>
<td></td>
<td>(reminder)</td>
</tr>
<tr>
<td></td>
<td>just an aside - should follow up on WHP-2 PIR</td>
</tr>
<tr>
<td></td>
<td>should ask what happened to original WHP to this old well</td>
</tr>
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</table>

**INCOMPLETE ACTION DATES:**

<table>
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<tr>
<th>DATE</th>
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</tbody>
</table>
Mr. Derrick Moreira  
Derrick's Well Drilling and Pump Service  
P.O. Box 2187  
Keeau, HI 96749

Dear Mr. Moreira:

Well Construction/Pump Installation Permit Application for Well No. 5552-04

We acknowledge receipt, on May 21, 2008, of your completed Well Construction/Pump Installation permit application and filing fee for the Well 1 (Well No. 5552-04). 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.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

RI:ss
Attachment

c: Alan Salzman
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director’s Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 August 19, 2008. 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.

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

An NPDES permit is required.

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

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

No comments/objections

Contact Person: ____________________ Phone: ________________

Signed: __________________________ Date: ________________
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

Well 1 (Well No. 5552-04) TMK 6-8-034:004

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 August 19, 2008. 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.

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: ______________
TO:        Dr. Puaalaokalani Aiu, Administrator 
           Historic Preservation 
           Morgan Davis 
           Historic Preservation

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

SUBJECT:   Well Construction/Pump Installation Permit Application 
           Well 1 (Well No. 5552-04) TMK: 6-8-034:004

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 August 19, 2008. 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:

Contact Person: ___________________________ Phone: ____________________

Signed: ___________________________ Date: ____________________
July 21, 2008

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

Dear Mr. Yuen:

Special Management Area Use Permit Requirements for
Well Construction/Pump Installation Permit Application
Well 1 (Well No. 5552-04)

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 SMA permitting requirements specific to your division. Please respond by returning this cover memo form by August 19, 2008. 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.

Sincerely,

[Signature]

Laura H. Theilen
Chairperson

RI:ss

RESPONSE:

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ________________
### GENERAL LICENSEE

<table>
<thead>
<tr>
<th>LIC ID: CT-28001</th>
<th>Active/Inactive: ACTIVE</th>
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<tbody>
<tr>
<td>NAME: DERRICK'S WELL DRILLING &amp; PUMP SERVICES LLC</td>
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<td>TRADE NAME:</td>
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<tr>
<td>STATUS: VALID THRU EXPIRATION DATE, RENEWAL NOTICE SENT</td>
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<tr>
<td>ENTITY: ORGANIZATION (LIMITED LIABILITY COMPANY)</td>
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<td>BUSINESS ADDR: 15-2005 29TH AVE KEAAU HI 96749</td>
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<td>MAILING ADDR: P O BOX 2187 KEAAU HI 96749</td>
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Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808) 587-3295.

License information on this site reflects information in the Professional and Vocational Licensing Division as of July 18, 2008; however, applicatio
and forms are subject to standard processing time, and the information here does not reflect pending changes which are being reviewed. The site
updated daily, Monday through Friday, except holidays.
The State of Hawaii makes no guarantees as to the accuracy of the information accessed, the timeliness of the delivery of transactions, delivery
the correct party, preservation of the privacy and security of users and makes no warranties, including warranty of merchantability and fitness for
particular purpose. User is advised that if the information obtained herein is to be reasonably relied upon, user should confirm the accuracy of su
information with the provider thereof.
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**Owner:** FRE 414 LLC  
**Tax Payer:** FRE 414 LLC, c/o: ATTN: VANTAGE PT VENTURE PARTNERS MR AL  
**Tax Bill:** 1001 BAYHILL DR #300, SAN BRUNO, CA 94066 USA

**Tenure:** Fee Simple  
**Annual Tax:** $57,837.60  
**Zoning:** V-1.25  
**PITT Code:** 700 - Hotel and Resort  
**Land Use:**  
**Census Tract:** 217.01  
**Lot#:** 38-D

**SALES**

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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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### Well Background Check

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<tr>
<th>Approved Well No.</th>
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<th>Well Name</th>
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**TOTAL** $250.00

**REMARKS:**
LINE (1) Well #1, TMK: 6-8-34:4
LINE (2) BBS Well
LINE (3) Tuffy #1
LINE (4) Kohanaiki #8
LINE (5) Besser Well
LINE (6) Daisy Well
LINE (7) Kalapik Well
LINE (8) Menehune Wishing Well
LINE (9) Pohaku Well
LINE (10) MO Well
**WELL LOCATION INFORMATION**

1. STATE WELL NO. (If already assigned):
   - Well #1

2. WELL NAME: Well #1

3. ISLAND: Hawaii

4. TMK: 6 8 34 4

The following be attached before this application is accepted as complete (check if attached):
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For dug wells, attach a grading plan with cross section profiles showing existing and finished grades

5. WELL OPERATOR'S NAME/COMPANY: Alan Salzman
   - Well Operator's Contact Same
   - Landowner's Mailing Address Same
   - Landowner's Contact Same

Well Operator's Phone: 808-866-3100

- Well Operator's Fax
- Well Operator's E-mail
- Landowner's Phone
- Landowner's Fax
- Landowner's E-mail

**PROPOSED WELL CONSTRUCTION**

<table>
<thead>
<tr>
<th>Proposed Work</th>
<th>Proprietary Type</th>
<th>Proposed Work</th>
<th>Proposed Pump Installation</th>
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</thead>
<tbody>
<tr>
<td>Abandon/Seal Well</td>
<td>Drilled</td>
<td>Install New Pump</td>
<td>Flowmeter Other (explain)</td>
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<tr>
<td>Modify Existing Well</td>
<td>Drop</td>
<td>Replace Pump</td>
<td></td>
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<tr>
<td>New Well</td>
<td>Shaft</td>
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<tr>
<td>Construct New Well</td>
<td>Tunnel</td>
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</table>

8. Proposed Amount of Withdrawal, gpd (gallons per day):
   - 10,000

11. Proposed Pumping Rate, gpm (gallons per minute):
   - 175

12. Proposed Amount of Withdrawal, gpd (gallons per day):

13. Method of flow measurement:
   - Flowmeter

14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

**OTHER LEGAL REQUIREMENTS**

- If required, items 21. and 22. must be obtained before the Commission can legally issue a permit:
  - Conservation District Use Permit (CDUP)
  - Historic Preservation Division (HPD)

**SITE PHOTO**

- Photograph showing well location
- Photograph showing pump station and access road
- Photograph showing the HPD

**ADDITIONAL REQUIREMENTS**

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

**NOTE:** Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge.

For Official Use Only: **RECEIVED**

May 21 8:36
**PROPOSED WELL SECTION** (Please attach schematic if different from diagram provided below)

Elevation at top of casing ______ ft., msl* 

* 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.

Grouting method
- Positive displacement
- Other

Solid Casing: (± 90° x (Ground Elev.-Water Level Elev))

- Total Length: ______ ft.
- Nominal Diameter: ______ in.
- Wall Thickness: ______ in.
- Total Length: ______ ft., msl*

Open Casing:
- Total Length: ______ ft.
- Nominal Diameter: ______ in.
- Wall Thickness: ______ in.
- Total Length: ______ ft., msl*

- Material:
  - Crushed Basalt
  - Rounded Gravel

- Rock or Gravel Packing ______ ft.

- Estimated Water Level Elevation: ______ ft., msl*

- Annular space between hole and casing (1.5" for positive displacement, 3" for other methods)

- 3 in.

- Ground Elevation: ______ ft., msl*

- Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

- Cement Grout: 28 ft. (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

- Open Hole:
  - Length: ______ ft.
  - Diameter: ______ in.
  - Elevation: ______ ft., msl*

- Pleae refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.

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 = \( \frac{3 \times \text{Water Level Elev.}}{4} \)

Example: Estimated + 2 ft. Water Level Elev. -> Bottom Elevation of Well Limit = \( \frac{3 \times (2 + 2)}{4} \) = -16.5 ft.

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - Other

- 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 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 Mortar 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
  - Other

- Stainless Steel: (check one):
  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)

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  - FEP Fluorocarbon Tubing conforming to ASTM D3296

WCPI App. Form 10/05/04
Topography Map