## Search Results

Search criteria: TMK Taxkey 4-5-1-2-7

**PUBLIC RECORD DATA**

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Mr. Ken O'Connor
P.O. Box 1196
Hanalei, HI 96714

Dear Mr. O'Connor:

Well Completion Report for Well No. 1221-03

We have received your Well Completion Report Part II for the Pilaa-O'Connor Well (Well No. 1221-03).

We note that the report indicates that you installed the pump yourself. Be advised that this is a violation of the pump installation permit and the Hawaii Well Construction & Pump Installation Standards (January, 1997; HWCPIS), which require a licensed contractor (C-57, C-57a, or A license) for all work required in the installation of pumps and pumping equipment. However, because the HWCPIS had not been adopted at the time that your well construction permit was approved, and you were allowed to drill the well yourself, we can understand how the licensing requirement for the installation of the pump could be overlooked. As such, we will not recommend that the Commission pursue any enforcement action. Please be aware that any future well construction/pump installation work must be done by properly licensed contractors.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Sincerely,

[Signature]

for: RAE M. LOUI
Deputy Director

LN:ss
Mr. Ken O'Connor
P.O. Box 1196
Hanalei, Hawaii 96714

Dear Mr. O'Connor:

Pump Installation Permit
Pilaa-O'Connor Well (Well No. 1221-03)

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

Special Conditions

1. (None)

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

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

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

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

If you have any questions, please call the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Aloha,

MICHAEL D. WILSON
Chairperson

Enclosures
PUMP INSTALLATION PERMIT

Pilaa-O’Connor Well, Well No. 1221-03

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 Pilaa-O’Connor Well (Well No. 1221-03) at Waipake, Kauai, TMK 5-1-27, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

2. The pump installation permit shall be for installation of a 12 gpm capacity, or less, pump in the well.

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

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

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

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

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: June 4, 1997
Expiration Date: June 4, 1999

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

Permittee’s Signature: ____________________________ Date: ______________

Printed Name: ____________________________ Firm or Title: __________________

Installer’s Signature: ____________________________ Date: ______________

Printed Name: ____________________________ Firm or Title: __________________

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

Attachments

USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Kauai Department of Water Supply
DATA SET:
1221-03.DAT
06/03/97

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Hantush (no stor.)

PROJECT DATA:
test date: May 2, 1997
test well: 1221-03
obs. well: 1221-03

TEST DATA:
Q = 29. gal/min
r = 0. ft
r_c = 0.167 ft
r_w = 0.333 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 44.85 ft^2/day
S = 0.006277
r/B = 0.01566
DATA SET:
1221-03.REC
06/03/97

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Theis Recovery

PROJECT DATA:
test date: May 2, 1997
test well: 1221-03
obs. well: 1221-03

TEST DATA:
Q = 29. gal/min
r = 0. ft
r_c = 0.167 ft
r_w = 0.333 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 56.66 ft^2/day
S' = 10. ft

AQTESOLV
WELL CONSTRUCTION PERMIT
Waipake Well, Well No. 1221-03

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 Waipake Well (Well No. 1221-03) at Waipake, Kauai, TMK 5-1-2:7, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. 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 by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until such pump installation permit is approved and issued by the Commission.

3. 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.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shale or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division (587-0045) immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its October 23, 1996 meeting are incorporated into the permit by reference.

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

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

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

Date of Approval: October 23, 1996
Expiration Date: October 23, 1998

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

Applicant's Signature: ___________________________ Date: May 1, 1997
Printed Name: Ken O'Connor
Firm or Title:

Please sign both copies of this permit, return one to the Commission.

Attachment

USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Kauai Department of Water Supply
Project: 1285.1

Subject: Well Elevation, "Kukui Forest", CPR Unit 3, Pilaa, Kauai, Hawaii

Gentlemen;

We have performed a survey to determine the mean sea level elevation of the new well head on Unit 3 of the subject project. The results are as follows.

- Top of 4" PVC well head: 271.4
- Adjacent ground: 270.4

Feel free to contact me, should you have any questions.

Sincerely,

Ronald J. Wagner E.E., L.S.

RJW:ctv

cc: Ken O'Conner
### Table 1

**LONG-TERM AQUIFER TEST DATA**

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<td>Drawdown (unadjusted to nearest 0.01 ft)</td>
<td>Pumping Rate (gpm)</td>
<td>EC (μmho)</td>
<td>Cl (mg/l)</td>
<td>Temp. °F or °C</td>
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Max possible duration, water level or quality did not stabilize for any 24 period

Begin recovery data next page

Flow meter reading at end of pumped period: ___________ gals
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<th>Recovery (%) (unadjusted to nearest 0.01 %)</th>
<th>Pumping rate Q (gpm)</th>
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END TEST  Date: ___________  Hour of day: ________

ADDITIONAL REMARKS:

Person in charge of pump test (print): ____________________________

Signature: ____________________________

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.

CWRM LTAT Form 1/9/96
As-Built Section
WAIPAKE (WELL NO. 1221-03)

80'

GRADE 270' ABOVE MSL

80'

CONCRETE SPACER

PERFORATED
4" PVC
## COMMISSION ON WATER RESOURCE MANAGEMENT

(10/96)

### FROM: __________________________

### DATE: __________________________

### SUSPENSE DATE ____________________

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<th>PLEASE:</th>
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</table>

8/2 Ken O'Connor called. Sent response last week
Did not yet install pump.
Plans to redo pump test.
Waiting for surveyor to show up.
Dear Mr. Louis,

Thank you for doing your job and responding to the matters at hand.

We are at present preparing a second test as requested.

The number that tested the well the first time is ill somewhere in Thailand.

As for the illegal pump installation, I see no misunderstanding:

1) We have no pump installed.

2) The 'part II' filled out was filled out as 'pump to be installed' in mind, which is not inconsistent with the application which asks for such, and an as-built drawing of a not-yet-built well.

Thanks again.

Ken O'Connor
REPORT OF MEDICAL EXAMINATION

Last Name—First Name—Middle Name Age:

NSCC/NSCC Unit Name Date/Place of Examination

Instructions for Medical Examiner (must be by a Medical Doctor):

Acceptance Criteria for Applicants to the Naval Sea Cadet/Navy League Cadet Corps are listed on the reverse side. The standard for acceptance into the Cadet Corps program is the ability to fully participate in training activities. This includes strenuous physical exercise and activities such as orientation in fighting shipboard fires, often in a hot and humid environment. Defects that are cause for rejection of an applicant for actual enlistment into the naval service should be identified. If the standards for enlistment are not available the examiner should list any condition(s) which could interfere with full, unrestricted participation in the Cadet Corps programs. Conditions that will or are likely to require treatment, particularly unresolved injuries and recurrent illness must be listed. The history of immunization should be verified to the satisfaction of the medical examiner.

Height: Ft. _____/ln. _____ Weight: _____ lbs. Yes ☐ No ☐ Pulse: _____ Blood Pressure: _____/

Vision: Wears glasses: Yes ☐ No ☐ Wears contacts: Yes ☐ No ☐ Uncorrected vision: Right 20/_____ Left 20/_____

Hearing: Audiogram (if available): 500 1000 2000 3000 4000

Hemoglobin _____ and or Hematocrit: _______

Urinalysis: Glucose _____ Albumin _____ Blood _______


Orthopedic oriented examination (evaluation of conditions that may limit involvement in physical activities—i.e., sports, physical training, etc.): Body Symmetry: _______ Cervical Spine Motion: _______ Upper Body Flexibility: _______

Lower Body Flexibility: _______ Knee Stability: _______ Other: _______

Remarks:

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NOTE: Pump installed - 32 gpm (item 1)

PERMIT CONDITIONS:
STILL NEED:

WEL- PART I
AS-BUILT
CLW.?

WEL- PART II
DATE OF PUMP INSTALLATION
DEMS OF INTAKE

THIS DATA IS SUSPECT.
94° ± 1000 rpm CL.
TO __________________________________________

DATE ____________________

TIME ____________________

WHILE YOU WERE OUT

M ____________________________
of ____________________________

Phone ________________________

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<tr>
<td>WANTS TO SEE YOU</td>
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RETURNED YOUR CALL

Message_____________________________________

__________________________________________

Operator___________________________________
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: [Signature]

DATE: 2/10

TO:

INIT.             FOR:             PLEASE:

1/ X BAUER, G.             LOUI, R.             Approval

CHING, F.                                NAKAMA, L.

FUJII, N.

HARDY, R.                                NAKANO, D.

HIGA, D.

HIRANO, E.

ICE, C.

IMATA, R.

JINNAI, R.

KUNIMURA, I.

INIT.                   Signature          See Me

1/ X OHYE, M.

SAKODA, E.

SUBIA, S.

SWANSON, S.

UWAIN, J.

YODA, K.

IN ENVELOPE ONLY

TYPE DRAFT

FILE

XEROX COPIES

---

Water temp 858°F suggests a

recharge situation of 4900 ft. - estimated

high considering when initial q is recoverable.

Can't do much with del data.
Mr. Ken O'Connor  
P.O. Box 1196 
Hanalei, Hawaii 96714

Dear Mr. O'Connor:

Well Completion Report for Well No. 1221-03

We have received your well completion report for the Pilaa-O'Connor Well (Well No. 1221-03). However, matters which must be addressed before we accept your report as complete are as follows:

1. As-built sectional drawing of the well.
2. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor. Please submit official documentation showing the surveyor's signature and stamp.
3. A new pump test in accordance with the attached Aquifer (Pump) Test Procedure showing depth to water measurements to the nearest one-tenth of a foot (special conditions are outlined in the attached well construction permit).
4. Confirmation that the water temperature in your well is 58°F. A water temperature of 58°F suggests a recharge elevation of 4,900+ ft., which appears high considering the initial chlorides are 1000 ppm. Your data do not fit into any known hydrologic model of Kauai.
5. A signed executed original well construction permit.

In addition, your well completion report indicates that a permanent pump was installed in the well without a permit. Standard Condition 2 of the Well Construction Permit states that "[n]o permanent pump may be installed and until a pump installation permit is approved and issued by the Commission". Commission action will be scheduled to determine the issuance of an after-the-fact pump installation permit and any fines for the illegal pump installation.

Please respond to the above item(s) within thirty (30) days of this letter's date. Failure to do so may result in fines of up to $1000 per day. The Commission staff may be visiting the island of Kauai for other matters in the near future and may wish to conduct a field investigation of your well. Someone from our office may be contacting you shortly to schedule a field investigation.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218.

Sincerely,

RAE M. LOUI
Deputy Director

LN:ss  
Attachment
PART II.
(Permanent) Pump Installation Report

20. Pump Installation Company: SELF
21. Name of person performing work: Self (Hart)
22. Date Pump Installation Completed: July 9, 1997
23. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: Submersible Centrif. 84625606 Capacity: 125 gpm
   - Motor type, H.P., Voltage, rpm: 1.5 hp, 230V 2pm 2450
   - Depth of Pump Intake Setting 180 ft. below Surface, which elevation is 271 ft. sc.
   - Depth to bottom of airline 170 ft. below Surface, which elevation is 271 ft.
   - Pumping Head is 80-150 ft. Type of flow meter: DIAL which measures in Volume.
24. As-built drawings attached: Yes No
25. Other remarks/comments: (See below)

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8.(cont'd) DRILLER'S LOG (cont'd):

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19 & 25. Remarks: Waipake 12/21/03

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**PART I. WELL CONSTRUCTION REPORT**

| 3. Drilling Company: ____________________ |
| 4. Name of driller who performed work: ____________________ |
| 5. Type of rig/construction: ____________________ |
| 6. Date(s) Well Construction and pump tests (if any) completed: ____________________ |
| 7. GROUND ELEVATION (referenced to mean sea level, msl): __________ ft.  
  
  Well Bench Mark (description/location): ____________________  
  Elevation (msl): __________ ft. |
| 8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)  
  Depths (ft.) Rock Description, Water Level, Dates, etc.  
  depths (ft.) Rock Description, Water Level, Dates, etc.  
  (If more space is needed, continue on back.) |
| 9. Total depth of well below ground: __________ ft. |
| 10. Hole size: __________ inch dia. from __________ ft. to __________ ft. below ground  
  __________ inch dia. from __________ ft. to __________ ft. below ground  
  __________ inch dia. from __________ ft. to __________ ft. below ground |
| 11. Casing installed: __________ in. I.D. x __________ in. wall solid section to __________ ft. below ground  
  __________ in. I.D. x __________ in. wall perforated section to __________ ft. below ground  
  Casing Material/Slot Size: ____________________ |
| 12. Annulus: Grouted from __________ ft. below ground to __________ ft. below ground  
  Gravel packed from __________ ft. below ground to __________ ft. below ground |
| 13. Initial water level: __________ ft. below ground.  
  Date and time of measurement: ____________________ |
| 14. Initial chloride: __________ ppm  
  Date and time of sampling: ____________________ |
| 15. Initial temperature: __________ °F  
  Date and time of measurement: ____________________ |
| 16. PUMPING TESTS: Reference Point (R.P.) used: ____________________  
  which elevation is __________ ft.  
  (1) Step-Drawdown Test Date ____________________  
  Start water level __________ ft. below R.P.  
  End water level __________ ft. below R.P.  
  (2) Long-term Aquifer Test Date ____________________  
  Start water level __________ ft. below R.P.  
  End water level __________ ft. below R.P. |
| 17. Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached? __ Yes __ No |
| 18. As-built drawings attached attached? __ Yes __ No |
| 19. Other remarks/comments: (On back of this form) ____________________ |

**Well Drilling Contractor (print) ____________________  
C-57 Lic. No. ____________________**

**Signature ____________________ Date ____________________**

**Surveyor (print) ____________________  
Lic. No. ____________________**

**Signature ____________________ Date ____________________**

**Applicant (print) ____________________  
Date ____________________**

**Signature ____________________ Date ____________________**
or other properties, nor shall any owner fail to act to minimize runoff damage or interference with the natural flow of storm waters and surface runoff. Portion owners shall maintain the extent reasonably possible and shall be solely responsible for resolving any offsite drainage or flooding problems caused by the owner's development or use of his portion.

15. MAINTENANCE OF PORTIONS AND LANDSCAPING. Each owner shall—within six months of close of escrow—plant a "Visibility screening" hedge to screen his property so that (upon the maturation of said hedge) passersby on Kuhio Highway are not able to see into his property. If the property currently has natural vegetation screening, the owner shall replace said screening within three months of its removal (should he/she decide to remove it). Each portion, whether occupied or unoccupied, and all improvements or structures placed, erected, constructed, installed or maintained thereon, shall at all time be kept and maintained in good, clean and attractive condition and in such manner as to prevent the portion and its improvements or structures from becoming unsightly, unsanitary, or a hazard to health. Each owner shall, at his own expense, trim and maintain all trees, shrubs and plantings to prevent overhang or other encroachment above or upon any adjoining property or roadway, and to prevent material interference with the view across such portion from other portions. Windbreak plantings or vegetation which are growing, planted, placed or aligned in a dense and linear trend shall be trimmed regularly and maintained at heights not to exceed twelve (12) feet.

16. SIGNS. No signs or advertising devices of any nature or kind shall be erected, placed, installed, constructed or maintained on any portion, except:

(a) such signs as may be required to be posted by order of any court of competent jurisdiction;

(b) signs which have a combined total face area of not more than 1 1/2 square feet, necessary to identify the owner or occupant of any portion and his address;

(c) a maximum of one (1) sign not exceeding 1 1/2 feet by 2 feet in size, indicating or advising that the portion on which it has been installed, placed or situated is for sale or for rent;

(d) signs which are necessary or desirable to give direction, advise of rules or regulations, or caution or warn of hazard or danger;

(e) a maximum of one (1) job identification sign per contractor or subcontractor having a maximum face area of six (6) square feet, during the period of actual construction on a portion;

(f) not more than one (1) commercial sign having a maximum face area of six (6) square feet, and which can only refer to the sale of agricultural or related products produced on the portion on which the said sign is installed, placed or situated.

17. PROHIBITED USES AND ACTIVITIES. The following uses and activities are prohibited on any portion in , unless the owner of the portion on which such use or activity is proposed shall have first obtained written authorization to commence such use or activity from no less than all of the owners of record of at least 75% of the portions in said Subdivision, and all necessary governmental authority or permission:

(a) animal hospitals;
PUMP INSTALLATION PERMIT
Pilaa-O'Connor Well, Well No. 1221-03

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 in Pilaa-O'Connor Well (Well No. 1221-03) at Waipake, Kauai, TMK 5-1:2-7, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 22, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences, so that staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 12 gpm capacity, or less, pump in the well.

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

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

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

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

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

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

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

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

Date of Approval: June 4, 1997
Expiration Date: June 4, 1999

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

Permittee's Signature: [Signature]
Printed Name: Ken O'Connor
Firm or Title: [Firm or Title]
Date: [Date]

Installer's Signature: [Signature]
Printed Name: [Firm or Title]
Date: [Date]

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

Attachments:
C: USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Kauai Department of Water Supply
# WELL COMPLETION REPORT

## WCR Form 3120/96

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

## WELL CONSTRUCTION REPORT

**Well Name: Waipake**
**Island: Kauai**

### PART 1. WELL CONSTRUCTION REPORT

1. **State Well No.:** 1221-03
2. **Location/Address:** Waipake, Kauai

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
<th>Depth (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
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<tbody>
<tr>
<td>0 to 30</td>
<td>Clay</td>
<td>30 to</td>
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<td>220 ft.</td>
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3. **Drilling Company:** SELF
4. **Name of driller who performed work:**
5. **Type of rig/construction:** Air Rotary
6. **Date(s) Well Construction and pump tests (if any) completed:** 1-23-97
7. **GROUND ELEVATION** (referenced to mean sea level, msl): 257 ft.
   - Well Bench Mark (description/location):
     - Elevation (msl): 220 ft.
8. **DRILLER’S LOG:** Please attach geologic log (if available or if required by permit)
   - Depths (ft.)
   - Rock Description, Water Level, Dates, etc.

<table>
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<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
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<td>0 to 30</td>
<td>Clay</td>
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<tr>
<td>30 to 220</td>
<td>Blue Rock</td>
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</table>

9. **Total depth of well below ground:** 220 ft.
10. **Hole size:**
   - 8" inch dia. from 0 ft. to 220 ft. below ground
   - 4" in. I.D. x 1/4" in. wall solid section to 220 ft. below ground
   - 4" in. I.D. x 1/4" in. wall perforated section to 220 ft. below ground
11. **Casing installed:**
   - 8" in. I.D. x 1/4" in. wall solid section to 220 ft. below ground
   - 8" in. I.D. x 1/4" in. wall perforated section to 220 ft. below ground
   - Casing Material/Slot Size: PVC 8" SLOT
12. **Annulus:**
   - Grouted from 220 ft. below ground to 190 ft. below ground
   - Gravel packed from 190 ft. below ground to 220 ft. below ground
13. **Initial water level:** 80 ft. below ground.
14. **Initial chloride:** 1000 ppm
15. **Initial temperature:** 58° F
16. **PUMPING TESTS:** Reference Point (R.P.) used: Top of casing, which elevation is 257 ft.
   - (1) Step-Drawdown Test Date: 1-21-97
   - Start water level: 80 ft. below R.P.
   - End water level: 150 ft. below R.P.
   - (2) Long-term Aquifer Test Date: 1-21-97
   - Start water level: 80 ft. below R.P.
   - End water level: 150 ft. below R.P.
17. **Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached?** Yes No
18. **As-built drawings attached?** Yes No
19. **Other remarks/comments:** (On back of this form)

---

**Well Drilling Contractor (print)**

**Surveyor (print)**

**Applicant (print)**

**Signature**

**C-57 Lic. No.**

**Date**

**Signature**

**Lic. No.**

**Date**

**Signature**

**Date**
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: SELF

21. Name of person performing work: ____________________________

22. Date Pump Installation Completed: ____________________________

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: **Submersible GRUNDFOS**
   Capacity: 32 gpm
   Motor type, H.P., Voltage, rpm: **15 stage 3HP 220 V**
   Depth of Pump Intake Setting _________ ft. below _________, which elevation is _________ ft.
   Depth to bottom of airline _________ ft. below _________, which elevation is _________ ft.
   Pumping Head is _________ ft. Type of flow meter: ___________ which measures in _________

24. As-built drawings attached attached? _ Yes _ No

25. Other remarks/comments: (See below)

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<th>Pump Installation Contractor (print)</th>
<th>C-57 Lic. No.</th>
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<th>Date 1-29-97</th>
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8.(cont'd) DRILLER'S LOG (cont'd):

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19. & 25. Remarks:

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# LONG-TERM AQUIFER TEST DATA

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<th>Drawdown (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate (gpm)</th>
<th>EC (µmhos)</th>
<th>CI (mg/l)</th>
<th>Temp. °F or °C</th>
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Max possible duration, water level or quality did not stabilize for any 24 period.

Begin recovery data next page.
Flow meter reading at end of pumped period: ____________ gals

Data in this table is for:
- Pumped Well
- Observation Well

Remarks

- Use same ending drawdown figure as start for recovery.
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<th>Depth to water (nearest 0.01 ft)</th>
<th>Recovery (unadjusted to nearest 0.01 ft)</th>
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END TEST  Date: 1-25-94  Hour of day: 2:00 PM

ADDITIONAL REMARKS:

Person in charge of pump test (print): [Signature]

Signature: [Signature]

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.

CWRM LTAT Form 1/9/96
Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s). As part of the Commission’s approval, the following special conditions were added and are part of your permit under Standard Permit Condition 11:

**Special Conditions**

1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least 72 hours.
3. No step-drawdown test is required.
4. The well should not be used for drinking water unless it is properly tested and treated.
5. The cement grout shall be a minimum of 70% of the vertical distance between the ground surface and the top of the aquifer.

Additionally, the Commission authorized the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e, subject to the Standard Pump Installation Conditions which will be issued to you when we receive your aquifer pump test results.

Please sign the permit copies and return one for our files. Also, copies of the aquifer pump test procedure and the well completion report form are enclosed for your use.

If you have any questions, please call Rae M. Loui, Deputy Director, at 587-0214 or toll-free at 274-3141 extension 70214.

Aloha,

MICHAEL D. WILSON
Chairperson

Enclosures
OwEll CONSTRUCTION PERMIT

Waipake Well, Well No. 1221-03

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 Waipake Well (Well No. 1221-03) at Waipake, Kauai, TMK 5-1-2-7, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. 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 by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Commission.

3. 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.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division (587-0045) immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its October 23, 1996 meeting are incorporated into the permit by reference.

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

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

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

Date of Approval: October 23, 1996
Expiration Date: October 23, 1998

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

Applicant’s Signature: ____________________________ Date: ____________

Printed Name: ____________________________ Firm or Title: ____________________________

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

Attachment

USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Kauai Department of Water Supply

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Chairperson
That the Commission:

A. Find that the DHHL has standing to request a contested case hearing for the Water Use Permit, Well Construction Permit, and Pump Installation Permit Applications for the Kamiloloa-Wai'ola Well (Well No. 0759-01).

B. Direct staff to initiate a contested case proceeding on these applications. This will include publishing a notice which will identify a deadline for filing written petitions to intervene.

C. Delegate to the Chairperson the authority to appoint a hearing officer for this contested case hearing.

MOTION: (NOBRIGA/MIIKE)

To approve staff's recommendation.

UNANIMOUSLY APPROVED.

5. KEN O'CONNOR APPLICATION FOR WELL PERMITS, WAIPAKE (WELL NO. 1221-03), WELL CONSTRUCTION: 5-INCH CASING DIAMETER, 200-FOOT DEEP WELL PUMP INSTALLATION: 12 GPM FOR DOMESTIC USE, TMK 5-1-2:7, WAIPAKE, KAUAI

STAFF PRESENTATION: Ms. Lenore Nakama

STAFF RECOMMENDATION:

A. That the Commission approve the issuance of a well construction permit for Waipake (Well No. 1221-03), subject to the standard conditions in Exhibit 3, and the following special conditions:

1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least 72 hours.
3. No step-drawdown test is required.
4. The well should not be used for drinking water unless it is properly tested and treated.
5. Cement grout shall be a minimum of 70% of the vertical distance between the ground surface and the top of the aquifer.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e (Exhibit 3), subject to
3. WAIKOLOA WATER COMPANY DBA WEST HAWAII WATER COMPANY,
APPLICATION FOR PUMP INSTALLATION PERMIT, WAIKOLOA 3 (WELL
NO. 5546-02), PUMP INSTALLATION: 1000 GPM FOR MUNICIPAL USE, TMK
6-8-002:018, WAIKOLOA, HAWAII

STAFF PRESENTATION: Mr. Roy Hardy

Staff requested to have the submittal corrected as follows:

A long-term pump test was already performed.

The date on #7 of the Standard Pump Installation Permit Conditions should be October 23, 1996.

STAFF RECOMMENDATION:

The staff recommendation was amended as follows:

A. That the Commission approve the issuance of a pump installation permit for Waikoloa 3 Well (Well No. 5546-02), subject to the standard conditions in Exhibit 3.

TESTIMONY BY APPLICANT:

Mr. Ken Melrose, of the West Hawaii Water Company, testified in favor of the recommendation.

MOTION: (NOBRIGA/GIRALD)

To approve staff's recommendation as amended.

UNANIMOUSLY APPROVED AS AMENDED.

4. REQUEST FOR CONTESTED CASE, WAI'OLA O MOLOKA'I, INC.,
APPLICATIONS FOR WATER USE, WELL CONSTRUCTION, AND PUMP
INSTALLATION PERMITS, KAMILOLOA-WAI'OLA WELL (WELL NO. 0759-
01), WATER USE: 1,249,570 GPD, WELL CONSTRUCTION: 26-INCH
DIAMETER, 1698-FOOT DEEP PUMP INSTALLATION: 1400-GPM PUMP FOR
MUNICIPAL USE, TMK 5-3-3:1 KAUNAKAKAI, MOLOKA'I

STAFF PRESENTATION: Mr. Roy Hardy

STAFF RECOMMENDATION:
the Standard Pump Installation Conditions in Exhibit 4.

MOTION: (MIIKE/GIRALD)

To approve staff's recommendation.

UNANIMOUSLY APPROVED.

6. JAMES PRYOR, APPLICATION FOR WELL PERMITS, PRYOR WELL (WELL NO. 3787-01), WELL CONSTRUCTION: 6-INCH CASING DIAMETER, 70-FOOT DEEP WELL PUMP INSTALLATION: 30 TO 50 GPM FOR IRRIGATION USE, TMK 1-5-053:049, KEAAU, HAWAII

STAFF PRESENTATION: Mr. Roy Hardy

STAFF RECOMMENDATION:

A. That the Commission approve the issuance of a well construction permit for the Pryor Well (Well No. 3787-01), subject to the standard conditions in Exhibit 3, and the following special conditions:

1. No permanent monitor tube is required.
2. The long-term continuous test shall be a minimum of 8 hours.
3. No step-drawdown test is required.
4. The well should not be used for drinking water unless it is properly tested and treated.
5. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.
6. The cement grout shall be a minimum of 70% of the vertical distance between the ground surface and the top of the aquifer.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e (Exhibit 3), subject to the Standard Pump Installation Conditions in Exhibit 4.

MOTION: (MIIKE/GIRALD)

To approve staff's recommendation.
UNANIMOUSLY APPROVED.

7. EWA PLAIN WATER DEVELOPMENT CORPORATION. APPLICATION FOR WELL PERMITS, HONOLULU WELL 7 (WELL NO. 2302-07), TMK 9-2-1:01, WELL CONSTRUCTION: 15-INCH DIAMETER, 565-FOOT DEEP WELL PUMP INSTALLATION: 2050 GPM CAPACITY PUMP FOR FUTURE MUNICIPAL USES. APPLICATIONS FOR WATER USE PERMITS, HONOLULU WELLS 7, 8, 9 (WELL NOS. 2302-07 TO 09), TMK 9-2-1:01, FUTURE MUNICIPAL USE FOR TOTAL 3,360 MGD, WAIPAHU-WAIWAIWA GROUND WATER MANAGEMENT AREA, OAHU

STAFF PRESENTATION: Ms. Lenore Nakama

STAFF RECOMMENDATION:

Staff recommends that the Commission:

1. Find that Mr. Charles Herring has standing to request a contested case hearing on the subject permit applications.

2. Direct staff to initiate a contested case proceeding on these applications. This will include publishing a notice which will identify a deadline for filing written petitions to intervene.

3. Delegate to the Chairperson the authority to appoint a hearing officer for this contested case hearing.

TESTIMONIES:

Mr. Moses Haia, of the Native Hawaiian Advisory Council, spoke on behalf of Mr. Charles Herring. He felt that the staff's submittal gave the implication that Mr. Herring is or will be illegally tapping into the well. He also voiced his concern that there is a leakage of water resulting in wastage from the well. He stated that they would like to obtain a determination of the waste before proceeding with the contested case hearing. He further stated that Mr. Herring wants water from this source and not from any other source.

Mr. Jeff Dinsmore, of Gentry Homes, Ltd., strongly urged the Commission to proceed with the contested case hearing. He opposed Mr. Haia's testimony.

MOTION: (NOBRIGA/GIRALD)

To approve staff's recommendation.
STAFF SUBMITTAL
for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 23, 1996
Honolulu, Oahu

Ken O'Connor
APPLICATION FOR WELL PERMITS
Waipake (Well No. 1221-03)
Well Construction: 5-inch Casing Diameter, 200-foot Deep Well
Pump Installation: 12 GPM for Domestic use
TMK 5-1-2:7, Waipake, Kauai

APPLICANT: Ken O'Connor
LANDOWNER: D. Leo & Jeanine O'Connor
P.O. Box 1196 2464 Lemur St.
Hanalei, Kauai, HI 96714  Santa Rosa, CA

DESCRIPTION: Location: (See Exhibit 1) Dimensions: (See Exhibit 2)

BACKGROUND:
The applications were accepted as complete on September 23, 1996.

WATER AVAILABILITY:
Kilauea Aquifer System of the Lihue Sector
Estimated Sustainable Yield: 17 mgd
Aquifer System Pumpage (12-MAV as of 12/91): 0.280 mgd
Proposed Use: 0.002 mgd, domestic use

ISSUES/ANALYSIS:
Agency Review: Copies of the application were sent to the Department of Health's Safe Drinking Water and Wastewater Branches. Additionally, notice of the application was published in the September water resource bulletin. The Safe Drinking Water Branch recommends that the well owner perform bacteriological and chemical analyses prior to usage as a drinking water source and thereafter perform routine analyses to monitor the water quality.

Staff Review: The proposed work includes drilling and testing a new 200-foot deep well and installing a 12 gpm capacity pump.
There are three (3) other proposed wells within a mile of this proposed well, which have not yet been drilled. No adverse impacts to water resources are anticipated from the drilling activity. Results of the standard pump test should provide information to assess pumpage impacts to these other wells.

The proposed well section (Exhibit 2) indicates 25 feet of cement grout. The Commission's proposed well standards specify that the annular space of all cased wells must be sealed with grout from the ground surface to a minimum depth equal to at least 70% of the vertical distance between the ground surface and the top of the aquifer to eliminate the vertical pathway for contaminants. The water level in the vicinity of the proposed well is unknown. Assuming the top of the aquifer is 25 feet below ground, then the full 25 feet of grout should be in place to protect the aquifer.

RECOMMENDATION:

A. That the Commission approve the issuance of a well construction permit for Waipake (Well No. 1221-03), subject to the standard conditions in Exhibit 3, and the following special conditions:

1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least 72 hours.
3. No step-drawdown test is required.
4. The well should not be used for drinking water unless it is properly tested and treated.
5. Cement grout shall be a minimum of 70% of the vertical distance between the ground surface and the top of the aquifer.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e (Exhibit 3), subject to the Standard Pump Installation Conditions in Exhibit 4.

Respectfully submitted,

[Signature]
RAE M. LOUI
Deputy Director

Exhibit(s):
1 (Location Map)
2 (Proposed Well Section)
3 (Standard Well Construction Permit Conditions)
4 (Standard Pump Installation Permit Conditions)
5 (Well Completion Report Form)
6 (Pump Test Procedures)
7 (Water Use Report Form)

APPROVED FOR SUBMITTAL:

[Signature]
MICHAEL D. WILSON, Chairperson
Well no. 1221-03

Island of Kauai
Total = 388 MGD
Hydrologic Units
Sustainable Yield / Aquifer Code

Exhibit 1
3. PROPOSED WELL SECTION

Elevation at top of casing
280 ft., msl.

Ground Elevation: 279 ft., msl

Cement Grout: 25 ft.

Rock Packing 100 ft.

Hole Diameter: 10 in.

Total Depth 200 ft.

Solid Casing:
Material: PVC
Length: 100 ft.
Diameter: 5 in.
Wall thickness: 5/8 in.

Casing: ✓ Perforated □ Screen
Material: PVC
Length: 150 ft.
Diameter: 2 in.
Wall thickness: 3/4 in.
Openings: 6 sq. in.A.F.

Open Hole:
Length: 200 ft.
Diameter: 10 in.

EXHIBIT 2

Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

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

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Commission.

3. 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.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division (587-0045) immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its October 23, 1996 meeting are incorporated into the permit by reference.

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

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

EXHIBIT 3
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 12 gpm capacity, or less, pump in the well.

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

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

5. The applicant shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Commission within thirty (30) days after completion of work.

6. The applicant shall comply with all applicable laws, rules, and ordinances.

7. The pump installation permit application and staff submittal approved by the Commission at its October 23, 1996 meeting are incorporated into the permit by reference.

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

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

EXHIBIT 4
**WELL COMPLETION REPORT**

3/20/96 WCR Form

**PART I. WELL CONSTRUCTION REPORT**

1. State Well No.: ____________ Well Name: ____________ Island: ____________
2. Location/Address: __________________ Tax Map Key: ____________

| 3. Drilling Company: ___________________________ |
| 4. Name of driller who performed work: ___________________________ |
| 5. Type of rig/construction: ___________________________ |
| 6. Date(s) Well Construction and pump tests (if any) completed: ___________________________ |
| 7. GROUND ELEVATION (referenced to mean sea level, msl): ____________ ft. |

   Well Bench Mark (description/location): ___________________________ Elevation(msl): ____________ ft.

8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)

   Depths (ft.) | Rock Description, Water Level, Dates, etc. | Depths (ft.) | Rock Description, Water Level, Dates, etc.
   ------------ | ---------------------------------------- | ------------ | ----------------------------------------
   _______ to _______ | ___________________________ | _______ to _______ | ___________________________

   *(If more space is needed, continue on back)*

9. Total depth of well below ground: ____________ ft.
10. Hole size: ___________________________ inch dia. from _______ ft. to _______ ft. below ground

   ____________ inch dia. from _______ ft. to _______ ft. below ground

   ____________ inch dia. from _______ ft. to _______ ft. below ground

11. Casing installed: ____________ in. I.D. x ____________ in. wall solid section to _______ ft. below ground

   ____________ in. I.D. x ____________ in. wall perforated section to _______ ft. below ground

   Casing Material/Slot Size: ___________________________

12. Annulus: Grouted from _______ ft. below ground to _______ ft. below ground

   Gravel packed from _______ ft. below ground to _______ ft. below ground

13. Initial water level: _______ ft. below ground. Date and time of measurement: ___________________________
14. Initial chloride: ____________ ppm Date and time of sampling: ___________________________
15. Initial temperature: ____________ °F Date and time of measurement: ___________________________
16. PUMPING TESTS: Reference Point (R.P.) used: ___________________________ which elevation is ____________ ft.

   (1) Step-Drawdown Test Date ____________

   Start water level ____________ ft. below R.P.
   End water level ____________ ft. below R.P.

   (2) Long-term Aquifer Test Date ____________

   Start water level ____________ ft. below R.P.
   End water level ____________ ft. below R.P.

17. Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached? __ Yes __ No
18. As-built drawings attached? __ Yes __ No
19. Other remarks/comments: *(On back of this form)*

Well Drilling Contractor (print) ___________________________ C-57 Lic. No. ____________
Signature ____________ Date _______ 
Surveyor (print) ___________________________ Lic. No. ____________
Signature ____________ Date _______ 
Applicant (print) ___________________________ 
Signature ____________ Date _______ 

EXHIBIT 5
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: ________________________________

21. Name of person performing work: ________________________

22. Date Pump Installation Completed: ________________________

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: ______________________________
   Capacity: __________ gpm
   Motor type, H.P., Voltage, rpm:
   Depth of Pump Intake Setting ________ ft. below ________, which elevation is ________ ft.
   Depth to bottom of airline ________ ft. below ________, which elevation is ________ ft.
   Pumping Head is ________ ft. Type of flow meter: ____________ which measures in ________.

24. As-built drawings attached? Yes No

25. Other remarks/comments: (See below)

Pump Installation Contractor (print) __________________________ C-57 Lic. No. __________
Signature __________________________ Date __________

Applicant (print) __________________________
Signature __________________________ Date __________

8.(cont'd) DRILLER'S LOG (cont'd):

Water Level Dates (ft.) Rock Description, Remarks, Depth (ft.)

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<th>Dates</th>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks</th>
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19. & 25. Remarks:

EXHIBIT 5
AQUIFER (PUMP) TEST PROCEDURES

The pump test procedure for new wells shall consist of a step-drawdown test followed by a long-term continuous aquifer test. Testing the well and aquifer in the prescribed manner should result in the hydrologic information needed to determine: 1) the well's performance with regard to yield and water quality (chloride concentration), and 2) the nearby hydraulic properties of the aquifer.

General Recording Requirements

The records required for analysis and the tolerance in measurement acceptable for the step-drawdown and long-term continuous aquifer test are as follows:

1. Discharge from the well shall not fluctuate beyond ± 10 percent.
2. Depth to water measurements in the pumped well shall be accurate to 0.01 feet.
3. Time shall be accurate within ± 1 percent.
4. Water discharged from the well during the step-drawdown and long-term test shall be carried away from the well to a distance sufficient to preclude circulation of the discharge water downward to the ground-water table.
5. Recording of data should be on a form similar to Table 1. All information shown in Table 1 shall be provided. In addition, data shall be plotted on Graph 1 and provided.

Step-Drawdown Test

The purpose of the step-drawdown test is to establish the efficiency of the well and to provide preliminary information on the yield of the well, both from a quantity and quality standpoint.

1. Measurement of water level in the pumped well shall be made every 12 hours for a period of no less than two days prior to the initiation of the step-drawdown test in order to obtain the pretest trend in water levels.
2. The step-drawdown test will consist of continuously pumping the well for four hours at four different rates.
   a. The change from one pumping rate to the next must be sufficient to induce an observable change in water level in the well from the previous pumpage rate.
   b. If desired, the four different rates should represent the full range of pump capacity (if the yield can sustain this), but this is not necessary.
Each pumping rate should be continued for one hour, after which the new rate should be instituted as rapidly as possible.

Pumping should begin at the lowest rate and conclude with the highest rate.

Pumping should be continuous through the entire step-drawdown test.

Measurement of chloride concentration and temperature of the discharge water shall be measured at least five times:

- at the end of each pumping rate during the step-drawdown test, and
- at the very beginning of the test.

A sufficient number of water level measurements shall be made in the pumped well following the termination of the step-drawdown test to establish that the water level fully recovers from each test to pretest levels.

Long-Term Continuous Test

The purpose of the long-term continuous test is to determine the hydraulic properties of the aquifer to explore for and identify nearby aquifer boundaries such as streams or dikes, and to observe the trend in chloride concentration of the discharge water.

1. The long-term test should not commence until the water level in the pumped well has fully recovered from the step-drawdown test. Generally, the time required for this recovery will be slightly greater than four hours. The water level in the pumped well should be measured immediately before initiation of the long-term test.

2. The pump rate for the long-term test should be sufficient to create an observable drawdown.

3. The test should be run 24 hours per day for at least seven days. If during the test, the water level remains the same for a period of 24 hours, the test can be terminated.

4. Measurement of chloride concentration and temperature of the discharge water during the long-term test shall be made at the beginning of the test and every six hours thereafter.

5. Depth to water in all wells shall be measured with sufficient frequency that each logarithmic cycle in time on the data plots (Graph 1) contains at least 10 data points spread through the cycle. Thus, depth to water should be made at \( t=0 \) (immediately prior to start of the test), and as close as possible at \( t=1, 1.5, 2, 2.5, 3, 4, 5, 6, 7 \), and 8 minutes for the first ten minutes and at all succeeding decimal multiples of these numbers to the end of the test \( (t=10, 15, 20, 25, 30, 40, 50, 60, 70, \) and 80 minutes for the log cycle 10 to 100 minutes, etc.)

6. A sufficient number of water level measurements shall be made in the pumped well following termination of the long-term continuous test to establish that the water level fully recovers from each test to pretest levels.
# Long-Term Aquifer Test Data

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<th>Pumped Well No.</th>
<th>Observation well no.</th>
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<td>Pumped Well Name</td>
<td>Distance between Obs. &amp; Pumped Well ft.</td>
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<tr>
<td>Target Q gpm</td>
<td>Reference pt. for depth to water ft. msl</td>
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<td>Static Water Level @ start of test ft. msl</td>
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Water level measurements by:  
- [ ] steel tape  
- [ ] pressure transducer  
- [ ] airline

**START TEST**  
*Date:* __________  *Hour of day:* __________

## Flow Meter Reading

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<th>Actual elapsed time</th>
<th>Depth to water (nearest 0.01 ft)</th>
<th>Drawdown (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (µmhos)</th>
<th>Cl (mg/l)</th>
<th>Temp. °F or °C</th>
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<th>Drawdown (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (μmhos)</th>
<th>CF (mg/l)</th>
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<td>Begin recovery data next page Flow meter reading at end of pumped period: ___________ gals</td>
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Use same ending drawdown figure as start for recovery

Data in this table is for:
- Pumped Well
- Observation Well

Remarks
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<th>Actual elapsed time (min)</th>
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<th>Recovery a (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (µmhos)</th>
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END TEST  Date: __________  Hour of day: __________

ADDITIONAL REMARKS:

Person in charge of pump test (print): ________________________________

Signature: ________________________________

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.

EXHIBIT 6
INSTRUCTIONS: Please TYPE OR PRINT CLEARLY. Complete this form to report monthly water use, chloride and water level. Mail to: Commission on Water Resource Management, P.O. Box 621, Honolulu, HI 96809. For assistance, please call (808) 587-0264.

<table>
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<tr>
<th>State Well No.</th>
<th>Well Name</th>
<th>Period Begin Date (mm/dd/yy)</th>
<th>Period End Date (mm/dd/yy)</th>
<th>Quantity Pumped (gallons)</th>
<th>Method of Measurement*</th>
<th>Chloride (mg/l)</th>
<th>Non-pumping Water Level** (ft. above msl)</th>
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</table>

* e.g. - flow meter; electrical consumption; weir or flume; not metered (estimated)
** measurement should be taken while pump is not running; if measurement is taken while pump is running, please indicate so

Submitted by (print) ___________________________  Title ___________________________

Signature ___________________________  Date ___________________________
Mr. Ken O'Connor  
P.O. Box 1196  
Hanalei, HI 96714  

Dear Mr. O'Connor:

Well Construction/Pump Installation Permit Application for Well No. 1221-03

We acknowledge receipt, on September 23, 1996, of documentation for the well ownership and your authority to represent the landowner in this matter. We have accepted your application as complete as of this date.

We understand that you would like to proceed with the construction work as soon as possible. We are planning to schedule your application for action by the Commission on Water Resource Management (Commission) at the October 23, 1996 meeting on Oahu. Please provide a fax number if you would like to receive a copy of the staff's submittal to the Commission, which will be available about six (6) days prior to the meeting date.

If you have any questions about your permit application, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Sincerely,

RAE M. LOUI  
Deputy Director

LN:ss
Power of Attorney
(General)

Know All People By These Presents:

1. That D.Jean O'Connor & Jeannine C. O'Connor, of 2464 Lemen St., City of Santa Rosa, County of Sonoma, State of California, hereby appoint(s) Ken O'Connor, of P.O. Box 1196, City of Hanalei, County of Kauai, State of California, my true and lawful attorney in fact for & in

Us and in Our name, place, and stead and for & in

Our use and benefit:

(a) To exercise, do, or perform any act, right, power, duty, or obligation whatsoever that We now have or may acquire the legal right, power, or capacity to exercise, do, or perform in connection with, arising out of, or relating to any person, item, thing, transaction, business property, real or personal, tangible or intangible, or matter whatsoever;

(b) To ask demand, sue for, recover, collect, receive, and hold and possess all such sums of money, debts, dues, bonds, notes, checks, drafts, accounts, deposits, legacies, bequests, devises, interests, dividends, stock certificates, certificates of deposit, annuities, pension and retirement benefits, insurance benefits and proceeds, documents of title, choses in action, personal and real property, tangible and intangible property rights, and demand whatsoever, liquidated or unliquidated, as are now, or shall hereafter become due, owing, payable, owned or belonging to Us, or in which We have or may acquire an interest, and to have, use, and take all lawful ways and means and legal and equitable remedies, procedures, and writs in Our name for the collection and recovery thereof, and to compromise, settle and agree for the same, and to make, execute, and deliver for Us and in Our name all endorsements, acquittances, releases, receipts, or other sufficient discharges for the same;

(c) To improve, repair, maintain, insure, rent, lease, sell, release, convey, subject to liens, mortgage, and hypothecate, and in any way or manner deal with all or any part of any real or personal property, tangible and intangible, whatsoever, or any interest therein, which We now own or may hereafter acquire, for Us and in Our name, and under such terms and conditions, and under such covenants as attorney shall deem proper;

(d) To engage in and transact any and all lawful business of whatever nature or kind for Us and in Our name; and

(e) To sign, endorse, execute, acknowledge, deliver, receive, and possess such applications, contracts, agreements, options, covenants, deeds, conveyances, trust deeds, security agreements, bills of sale, leases, mortgages, assignments, insurance policies, bills of exchange, notes, stock certificates, proxies, warrants, commercial paper, receipts, withdrawal receipts and deposit instruments relating to accounts or deposits in, or certificates of deposit of, banks, savings and loan or other institutions or associations, proofs of loss, evidence of debts, releases, and satisfaction of mortgages, judgments, liens, security agreements, and other debts, and obligations, and such other instruments in writing or whatever kind and nature as may be necessary or proper in the exercise of the rights and powers herein granted.

2. Granting to Ken O'Connor, attorney in fact, full power and authority to do all and every act and thing whatsoever requisite, necessary, and proper to be done in the premises, any of which acts and powers herein granted, as fully to all intents and purposes as we might or could do if personally present, with full power of delegation, substitution, and transmutation, confirming all that Ken O'Connor, attorney in fact, or his substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted.

3. This instrument is to be construed and interpreted as a general power of attorney. The enumeration of specific items, acts, rights or power herein does not limit or restrict, and is not to be construed or interpreted as limiting or restricting the general powers herein granted to my attorney in fact.

4. By executing this document I further intend to revoke all previous general power of attorney appointments executed by me or on my behalf.
WARRANTY DEED

THIS DEED, made this day of SEP 6, 1996, 19, by PAUL RICHARD CASSIDAY (also known as PAUL R. CASSIDAY) and JAMES H. PFLUEGER, as Successor Trustees under the Will and the Estate of Mary N. Lucas, deceased, with powers to sell, mortgage, lease, etc., hereinafter called the "Grantor", in favor of D. LEO O'CONNOR and JEANNINE O'CONNOR, husband and wife, whose address is 2464 Lemur Street, Santa Rosa, California, 95401, hereinafter called the "Grantee",

W I T N E S S E T H:

That for TEN DOLLARS and other valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, the
I have personally executed this document on February 29, 1996, at Santa Rosa, California.

D. Lea O'Connor
(Signature)

Statement of Witness:

I declare under the penalty of perjury under the laws of California that the person who signed or acknowledged this document is personally known to me (or provided to me on the basis of convincing evidence) to be the principal, that the principal signed or acknowledged this power of attorney in my presence, and that the principal appears to be of sound mind and under no duress, fraud, or undue influence.

1. Signature ____________________________
   Print Name ____________________________
   Date ____________________________
   Residential Address ____________________

2. Signature ____________________________
   Print Name ____________________________
   Date ____________________________
   Residential Address ____________________

Notary Public:

STATE OF CALIFORNIA
COUNTY OF Sonoma

On 2-29-96, before me, DANIEL CASE, Notary Public, personally appeared D. Lea O'Connor and Leanne L. O'Connor, personally known to me (or proved on the basis of satisfactory evidence) to be the person(s) whose name(s) are subscribed in the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary public in and for said State.
Mr. Ken O'Connor
P.O. Box 1196
Hanalei, Hawaii 96714

Dear Mr. O'Connor:

Well Construction/Pump Installation Permit Application for Pilaa O'Connor Well (Well No. 1221-03)

This is to clarify the status of the above application, which was submitted to the Commission on Water Resource Management (Commission) on April 16, 1996.

Please be advised that this application is incomplete because the signature of the landowner/well owner has not been obtained. This supersedes our letter of May 7, 1996, accepting your application as complete and notifying you that Commission action would be scheduled within ninety (90) days.

We understand that the property on which the proposed well is to be constructed is currently owned by Lucas Trust and that you have signed the application as the authorized representative for the potential buyer. As such, please provide written notification that the property has cleared escrow to validate your signature as landowner/well owner.

If you have any questions, please contact Lenore Nakama at 587-0218.

Sincerely,

[Signature]
RAE M. LOUI
Deputy Director

LN:ss
Charley spoke s/Ken O'Connor. Ken anticipates that the property will clear escrow by 7/1/96.

On 6/27/96 left message for Ken that he needs to submit something in writing when he clears escrow. WCPI will be considered incomplete until then.
TO: Honorable Lawrence Miike, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  

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

SUBJECT: Well Construction/Pump Installation Permit Application for Pilaa-O'Connor Well (Well No. 1221-03)  

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department.  
Please respond by returning this cover memo form by May 31, 1996.  

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

RESPONSE: ( ) We have no comments  
( ) Comments attached  

Contact Person: Bill Wong  
Phone:  

Signed: Bill Wong  
Date:  

(Attached map)
May 21, 1996

To: Charley Ice, DLNR,  
Commission on Water Resource Management

From: William Wong, P.E., Chief  
Safe Drinking Water Branch

Subject: WELL CONSTRUCTION/PUMP INSTALLATION PERMIT APPLICATIONS

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Applications for:

1) Peahi-Wanner Well No. 5515-03
2) Pilaa-O’Conner Well No. 1221-03

Federal and state regulations define a public water system as a system that serves 25 or more individuals at least 60 days per year or has at least 15 service connections. All public water system owners and operators are required to comply with Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems.

The application indicates that this will be a new source of potable water. Section 11-20-29 of Chapter 20 requires that all new sources of potable water serving a public water system be approved by the Director of Health prior to its use. Such an approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.

The permit application indicates that the source will be used for potable water. If the well doesn’t provide water to a public water system, I recommend the private owner perform bacteriological and chemical analyses prior to usage as a drinking water source and thereafter perform routine analyses to monitor the water quality.

WW:la

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by May 31, 1996.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

RESPONSE: ☒ We have no comments
( ) Comments attached
Contact Person: Lori N. Kajiwara
Phone: 586-4294
Signed: Lori N. Kajiwara
Date: 5-16-96
Dear Mr. O'Connor:

Well Construction/Pump Installation Permit Application for Pilaa-O'Connor Well (Well No. 1221-03)  

We accepted your application for the captioned well on April 16, 1996, and hereby acknowledge that it is complete. You can expect your application to be processed for action within ninety (90) days from that acceptance date.

If you have any questions about your application, please contact Charley Ice of the Commission staff at 587-0251 or toll free at 1-800-468-4644, extension 70251.

Sincerely,

RAE M. LOUI  
Deputy Director
TO: Honorable Lawrence Miike, Director
       Department of Health
       Attention: Dennis Tulang, Wastewater Branch
               William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application for
         Pilaa-O'Connor Well (Well No. 1221-03)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by May 31, 1996.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

Ci:ss
Attachment(s)

RESPONSE: ( ) We have no comments
           ( ) Comments attached

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
### DEPARTMENT OF LAND AND NATURAL RESOURCES

**UAC OR ATTACHED WORKSHEET**

**DATE: 5/7/96**

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**NAME/DESCRIPTION (WANG INPUT)**

Nicole O'Connor

**REMARKS:**
- LINE (1) Well No. 1221-03 (WCP/PIP)
- LINE (2)
- LINE (3)
- LINE (4)
APPLICATION FOR PERMIT

Well Construction or Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 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 587-0225.

1. APPLICANT: (circle primary contact a, b, or c)
   (a) WELL OWNER
      Firm/Name ____________________
      Contact Person ________________ Ph: ____________________
      Address ________________________
   (b) LANDOWNER
      Firm/Name ________________
      Contact Person ________________ Ph: ____________________
      Address ________________________
   (c) CONTRACTOR
      Firm/Name ____________________
      Contact Person ________________ Ph: ____________________
      Contractor’s C-57 License No. ________________

2. WELL LOCATION/NAME: Waipoli Island Kauai
   Address Corner of Kuhio Hwy & Koolau Rd. Tax Map Key S-1-2-7
   (Attach a USGS map, scale 1"=2000", and a property tax map showing well location referenced to established property boundaries.)

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

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

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: __12____ gallons per minute

   Motor: □ Diesel □ Gas □ Electric, rated horsepower: ________

   If Pump Replacement, Existing Pump Capacity: ___________ gallons per minute

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)  □ Military
   □ Domestic (individual, noncommercial water sys.)  □ Industrial
   □ Irrigation (crop)  □ Other (explain) ________

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 2040 gallons per day

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

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

8. REMARKS, EXPLANATIONS: ____________________________________________
   (If more space is needed, continue on back)

I understand that approval of this application attaches the following standard conditions: 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 30 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: ____________  Landowner: ____________  Contractor: ____________
Signature: ____________  Signature: ____________  Signature: ____________
Date: ____________  Date: ____________  Date: ____________

For Official Use Only:
Date Received ____________  Date Accepted ____________
Field Checked By ____________  Date ____________
Longitude ____________  Latitude ____________
Aquifer System Name ____________  State Well No. ____________

11/05/95 WCRI Form
9. PROPOSED WELL SECTION

**Elevation at top of casing:** 280 ft., msl

**Ground Elevation:** 279 ft., msl

**Cement Grout:** 26 ft.

**Rock Packing:** 100 ft.

**Hole Diameter:** 10 in.

**Total Depth:** 200 ft.

**Solid Casing:**
- **Material:** PVC
- **Length:** 100 ft.
- **Diameter:** 5 in.
- **Wall thickness:** ¼ in.

**Casing:**
- **Perforated:** Y
- **Screen:** N
- **Material:** PVC
- **Length:** 150 ft.
- **Diameter:** 5 in.
- **Wall thickness:** ¼ in.
- **Openings:** 6 sq. in./L.F.

**Open Hole:**
- **Length:** 200 ft.
- **Diameter:** 10 in.

---

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.*
Presently Lucas Trust is the property owner. We are in escrow to purchase the property. At the time we drill
D Leo & Jeannine will be record title holder. Enclosed is a Power of Attorney
for me to represent D Leo & Jeannine. We will provide for you a letter of Authorization from Lucas Trust to proceed.

Thank you

Ken O'Connor