ROUTE SLIP

Well Name: Aliomanu-Anderton No. 0719-04 Island: Kauai
Applicant: Jon E. Anderton Landowner: Same
Consultant: TMK 4-9-26-1D

Mapped: Logcomp: 21 Dec. 95 Logbk: 21 Dec. 95
Accepted: +90 days:
Bulletin:
Ch 343 pau:
Tent CWRM Action:
Fee Depos: 12/4/95

Acknowledgment: DEC 19 1995
DoH/Drink Water: DEC 19 1995
Wastewater:
Submittal mailed:
Faxed Appl:
CWRM: Appr: Deny: Consult:
Permit/Notice to Appl:
3rdP: 
Cond.s routed to Survey:
Aliomanu—Anderton
Well No. 0919—04

PROJECT AREA
ISLAND OF KAUAI
CHECKLIST

☑ Well Construction Permit  ☑ Pump Installation Permit
 Nim □ Water Use Permit Required Also

Well Name & Number Aliomanu - Anderton  Island Kauai
Applicant Jon F. Anderton  Landowner Same
Consultant

Date application received.......................... 5/4/93
☑ Date acknowledged receipt/request more info........................ 6/23
☑ Date filing fee deposited..............................

☑ Application sent to following:  Date sent  Comments received
  Dept. of Health  SAFE DRINKING WATER BRANCH  6/24
  Office of Hawaiian Affairs  WASTEWATER BRANCH  6/24
  Dept. of Hawaiian Home Lands  6/24
  State Historic Preservation Div.  6/23
  Sierra Club Legal Defense Fund  6/24
  Honolulu Board of Water Supply
  Maui Dept. of Water Supply
  Kauai Dept. of Water Supply  6/25
  Hawaii Dept. of Water Supply
  Hawaii Dept. of Public Works
  Koolauoa NB #28 (Cahu)
  Additional List (Molokai)  ✓
  Eric Hirano/ Lyann Mizuno

Date agenda due............................................. 6/30/93
Date submittal due.......................................... 6/30/93
Date submittal sent to applicant......................
Date application ___ approved or ___ disapproved.... 7/24/93
Date applicant notified of decision..................

Remarks: * A.K. ....... + ........ ± 7 PEND 

Copy original application sent to the applicant for completion. Juliana
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, Hawaii 96714

Dear Mr. Anderton:

Pump Installation Permit  
Aliomanu-Anderton Well (Well No. 0919-04)

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) via Declaratory Ruling No. DEC-ADM98-G5 which allows permanent pump installation prior to pump testing. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

**Special Conditions**

*[NONE]*

This letter is notice that we have accepted your Well Completion Reports - Part I and II as complete. To validate your pump installation permit, please sign both permit originals and return one for our files.

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

Aloha,

[Signature]

for: TIMOTHY E. JOHNS  
Chairperson

Enclosure
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 Aliomanu-Anderton Well (Well No. 0919-04) at, Aliomanu, Kawaihau, Kauai, TMK 4-9-2-1D, 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 50 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). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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. 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.

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

Date of Approval: May 3, 1999
Expiration Date: May 3, 2001

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: __________
Printed Name: ___________________________ Firm or Title: ___________________________

Installer's Signature: ___________________________ C-57, C-57a, or A License #: __________ Date: __________
Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachments:
- USGS
  Department of Health/ Safe Drinking Water & Wastewater Branch
  Kauai Department of Water Supply
### PART I. WELL CONSTRUCTION REPORT

3. Drilling Company: **SELF**

4. Name of driller who performed work: **SELF**

5. Type of rig/construction: **Bucyrus Erie 22W**

6. Date(s) Well Construction and pump tests (if any) completed: **May 17, 1997**

7. GROUND ELEVATION (referenced to mean sea level, msl): **220 ft.**
   - Well Bench Mark (description/location): Top 8' high pipe
   - Elevation (msl): **219.9 ft.**

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

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 33</td>
<td>Clay/Loose Rock</td>
<td>96 to -80</td>
<td>Solid Rock No Water</td>
</tr>
<tr>
<td>84 to 96</td>
<td>Clay/Loose Rock, Underground Stream</td>
<td>-80 to -124</td>
<td>Water Table 5/2/97</td>
</tr>
<tr>
<td>3/2/97</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. Total depth of well below ground: **344 ft.**

10. Hole size:
    - **8"** inch dia. from 0 ft. to 344 ft. below ground
    - **8"** inch dia. from 0 ft. to 344 ft. below ground
    - **8"** inch dia. from 0 ft. to 344 ft. below ground

11. Casing installed:
    - **8 in.** I.D. x 1/4 in. wall solid section to 180 ft. below ground
    - **5 in.** I.D. x 1/4 in. wall perforated section to 180 ft. below ground

   Casing Material/Slot Size: **STEEL 16" SECTIONS WELDED 5" 1/8 PVC**

12. Annulus:
    - Grouted from **Surface** ft. below ground to 180 ft. below ground
    - Gravel packed from 180 ft. below ground to **344 ft.** below ground

13. Initial water level: **300 ft.** below ground.

14. Initial chloride: **35 ppm**

15. Initial temperature: **59 °F**

16. PUMPING TESTS: Reference Point (R.P.) used:
    - **331**, which elevation is **-111 ft.**

    (1) Step-Drawdown Test Date 5/11/97
    - Start water level **0 ft.** below R.P.
    - End water level **12 ft.** below R.P.

    (2) Long-term Aquifer Test Date 5/11/97
    - Start water level **0 ft.** below R.P.
    - End water level **12 ft.** below R.P.

17. Pump Test Procedures data & graphs (12/17/97 SDPTD & CRPTD Forms) attached? **Yes**  **No**

18. As-built drawings attached? **Yes**  **No**

19. Other remarks/comments: *(On back of this form)*

---

**Well Drilling Contractor (print)**

Signature ____________________________  C-57 Lic. No. ____________________________

Date ____________________________

**Surveyor (print)**

Signature ____________________________  Lic. No. ____________________________

Date ____________________________

**Applicant (print)**

Signature ____________________________  Date ____________________________
DATE: 4/28/99

TO: LENORE

FAX NUMBER: 587-0219

REGARDING: 07/19-04

Total number of pages including cover letter: 2

MESSAGE: WAGNER SIGNED OFF ON THE WELL COMPLETION REPORT. I'LL MAIL IT TODAY TO YOUR P.O. BOX 621/ 96709 UNLESS I HEAR DIFFERENTLY

THANKS FOR YOUR PATIENCE

FROM: Jon Anderton

FAX NUMBER: 808-826-7386

If the transmission of, or reception of the above is incomplete or the number of pages received is incomplete, please contact us as soon as possible. THANK YOU.
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

WELL COMPLETION REPORT
2/27/98 WCR Form

Part I. Well Construction & Part II. Permanent Pump Installation

Instructions: Please print or type and submit completed report within 60 days after well completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225, or 1-800-486-8444 Extension 70225.

1. State Well No.: 0919-04 Well Name: ANDERSON Island: KAUAI
2. Location/Address: Molokai/Anahola Kahio Hwy Tax Map Key: 4-7-002-001-0004

PART I. WELL CONSTRUCTION REPORT

3. Drilling Company: SELF
4. Name of driller who performed work: SELF
5. Type of rig/construction: Bucyrus Erie 22W
6. Date(s) Well Construction and pump tests (if any) completed: 2/17/97
7. GROUND ELEVATION: Top 8'3" wellhead pipe Elevation(msl): 219.9 ft.

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

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-83</td>
<td>CLAY/LOOSE ROCK</td>
</tr>
<tr>
<td>96-134</td>
<td>SOLID ROCK NO WATER</td>
</tr>
<tr>
<td>3/2/97</td>
<td>WATER TABLE</td>
</tr>
<tr>
<td>3/2/97</td>
<td>(If more space is needed, continue on back)</td>
</tr>
</tbody>
</table>

9. Total depth of well below ground: 344 ft.
10. Hole size: 8" dia from 0 ft. to 344 ft. below ground

11. Casing installed: 8" in. I.D. x 1/4 in. wall solid section to 180 ft. below ground

12. Annulus:

13. Initial water level: 300 ft. below ground.

14. Initial chloride: 35 ppm

15. Initial temperature: 59°F

16. PUMPING TESTS: Reference Point (R.P.) used: 331 ft.

17. Pump Test Procedures data & graphs (12/17/97 SDPTD & CRPTD Forms) attached? Yes No

18. Other remarks/comments: (On back of this form)

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

Surveyor (print) Ronald L. Wagner
Signature

Applicant (print) JON F. ANDERSON
Signature

Date 4/28/99
# WCR 1 Check for Well No. 0919-04

## 1. Pump Tests Check

**Glenn Bauer**

<table>
<thead>
<tr>
<th>Step-Drawdown Test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>acceptable</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>analysis attached</td>
</tr>
<tr>
<td>proposed pump cap o.k.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aquifer Pump Test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>acceptable</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>T &amp; S analysis attached</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Interference:</th>
</tr>
</thead>
<tbody>
<tr>
<td>estimated Steady-State drawdown at 1-mile radius is [ ] ft.</td>
</tr>
<tr>
<td>analysis attached</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stream Surface Water Impacted:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] [ ] [ ] If yes, identify most probable stream</td>
</tr>
</tbody>
</table>

## 2. Construction Check

**Mitch Ohye**

<table>
<thead>
<tr>
<th>Data complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>[ ]</td>
</tr>
<tr>
<td>wellphys.dbf updated</td>
</tr>
<tr>
<td>[ ]</td>
</tr>
<tr>
<td>welaplic.dbf updated</td>
</tr>
<tr>
<td>[ ]</td>
</tr>
</tbody>
</table>

## Notes

- No lens data available per Landtor. How was drawdown measured?

- Fred Page is Drilller

---

**PM:**

- Confirmed that the hole is 8" & the casing is also 8" he said we should add the inside tool to drive the casing down. We have 3 3/8 cutters.
- The 2" stimulation steel in a separate pipe (sitting inside the 5 1/2") through which the water is actually pumped is withdrawn.
- We confirmed that the 5" hole sits inside the 8" casing.
- The fresh level (650' below MSL) in a mystery.
- We will confirm the survey ASAP.
WCR 2 Check for Well No. 0919-04 (survey to regulation memo)

1. **Pump Tests Check** (special condition of PIP? Yes/No)  Glenn Bauer (initial if yes)

   Yes  No  If no, describe deficiency

   **Step-Drawdown Test:**
   - acceptable  ☐  ☐
   - followed WCPI Stds  ☐  ☐
   - analysis attached  ☐  ☐
   - proposed pump cap o.k.  ☐  ☐

   **Aquifer Pump Test:**
   - acceptable  ☐  ☐
   - followed WCPI Stds  ☐  ☐
   - T & S analysis attached  ☐  ☐

   **Well Interference:**
   - estimated Steady-State drawdown at 1-mile radius is _________ ft.
   - analysis attached  ☐  ☐

   **Stream Surface Water Impacted:**  ☐  ☐ ← If yes, identify most probable stream

2. **Pump Installation Check**  Mitch Ohye (initial)

   Yes  No  If no, describe deficiency

   - data complete  ☐  ☐
   - followed WCPI Stds  ☐  ☐
   - wellphys.dbf updated  ☐  ☐
   - welaplic.dbf updated  ☐  ☐
January 14, 1999

State of Hawaii - DNLR
Commission on Water Resource Management
Ms. Lenore Nakama
P.O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Nakama:

Thank you for your understanding and granting me an extension to file the well completion report. I am awaiting the survey results for the well elevation and will forward the results to you. All other requested information is enclosed. Once the survey is completed, will I be able to have the surveyor sign on a photocopy of the well completion report that I am submitting now or is there another procedure? Please advise.

Please phone or fax me with any questions. My fax number is 808-826-7386.

Again, thank you for your assistance and understanding.

Sincerely,

Jon F. Anderton

Jon F. Anderton CPA, Inc.
WELL CONSTRUCTION REPORT

3. Drilling Company: **Self**
4. Name of driller who performed work: **Self**
5. Type of rig/construction: **Bucyrus Ericsson**
6. Date(s) Well Construction and pump tests (if any) completed: **May 17, 1997**
7. GROUND ELEVATION (referred to mean sea level, msl): **220 ft.**
   - Well Bench Mark (description/location): **IN ENCLOSED WATER TANK**
   - Elevation(msl): **220 ft.**
8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)
<table>
<thead>
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<th>Rock Description, Water Level, Dates, etc.</th>
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<tbody>
<tr>
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<td>CLAY/LOOSE ROCK 3/23/97</td>
<td>96 to 298 SOLID ROCK NO WATER 4/20/97</td>
</tr>
<tr>
<td>84 to 96</td>
<td>CLAY/LOOSE ROCK UNDERGROUND STREAM 298 to 328 WATER TABLE 5/2/97</td>
<td></td>
</tr>
<tr>
<td>3/23/97</td>
<td>(If more space is needed, continue on back.)</td>
<td></td>
</tr>
</tbody>
</table>
9. Total depth of well below ground: **344 ft.**
10. Hole size: 8' in. dia from 0 ft. to 328 ft. below ground
    - 5' in. dia from 328 ft. to 328 ft. below ground
11. Casing installed: 8' in. I.D. x 1/4 in. wall solid section to 180 ft. below ground
    - 5' in. I.D. x 1/4 in. wall perforated section to 328 ft. below ground
    - Casing Material/Slot Size: **STEEL 16' SECTIONS WELDED**
12. Annulus: Grouted from **0** ft. below ground to **190** ft. below ground
    - Gravel packed from **190** ft. below ground to **328** ft. below ground
13. Initial water level: **298** ft. below ground.
14. Initial chloride: **35** ppm
15. Initial temperature: **59** °F
16. PUMPING TESTS: Reference Point (R.P.) used: **Ground level**, which elevation is **220 ft.**
    - (1) Step-Drawdown Test Date: **5/14/97**
    - Start water level: **298.0** ft. below R.P.
    - End water level: **298.0** ft. below R.P.
    - (2) Long-term Aquifer Test Date: **5/14/97**
    - Start water level: **298.0** ft. below R.P.
    - End water level: **298.0** ft. below R.P.
17. Pump Test Procedures data & graphs (12/17/97 SDPTD & CRPTD Forms) attached? **Yes**
18. As-built drawings attached? **No**
19. Other remarks/comments: **(On back of this form)**
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: SELF

21. Name of person performing work: SELF

22. Date Pump Installation Completed: 5/15/97

23. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: GRUNFOS #554950-15(4"")  Capacity: 45 gpm
   - Motor type, H.P., Voltage, rpm: FRANKLIN 5 H.P. 230 VOLS.
   - Depth of Pump Intake Setting: 306 ft. below ground  well bench mark
   - Depth to bottom of airline: 302 ft. below ground  well bench mark
   - Pumping Head is: 300 ft. Type of flow meter: N/A which measures in: N/A

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) JON F. ANDERSON

Signature ___________________________ Date 1/14/99

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

<table>
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<tr>
<th>Depths (ft.)</th>
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<tr>
<td>______ to ______</td>
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<td>______ to ______</td>
<td>______</td>
</tr>
</tbody>
</table>

19. & 25. Remarks: NO DRAW NOTICED ON BOTH TESTS. IT APPEARS THIS WELL HAS EXCELLENT WATER SOURCE. PUMP AT FULL TEST SPEED DELIVERED 55 GALLONS PER MINUTE.

5" PVC slotted for 40 feet beginning 20' up from the bottom. 
1/4" slots x 8" long, 4 slots per circumference.

Due to geologic conditions water level is approx 80' below sea level.
ANDERTON WELL
0919-04

5" PVC slotted 40'

Water LEVEL: 298.7 ft. below

Location of pump: 306' below
Bottom 20 ft. 5" PVC is not slotted

5" PVC capped at bottom
Bottom is 323' from surface

6" STEEL CASING TO 190' Below Surface (5/4"

Concrete grout to 190'
Gravel pack from 190' to well bottom

2" U.S. GALVANIZED STEEL
"KALALEA AGRICULTURAL ESTATES"
Condominium Project
Being
Units A - I, inclusive, and
Common Elements 1, 2, 3, & 4
being portions of
LOT 48-C & LOT 55-B
Molaaa Hill Lands
at Alomana, Kauai, Hawaii

Prepared for:
Jon Anderson
L/A Real Estate Appraiser
P.O. Box 1500
Honoia, HI 96714
November 19, 1996
Wagner Engineering Services, Inc.
P.O. Box 851
Honoia, HI 96714 (808) 826-7256

The project does not involve
the sale of individual lots. The
disclosed lots on the Condominium
Map are for illustrative purposes
only. They represent either a limited
colony element or common element.
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, HI 96714

Dear Mr. Anderton:

We have received your request for an extension to January 20, 1999 to submit the following items that are required under Standard Condition 6 of your well construction permit for Well No. 0919-04:

b. Elevation (referenced to mean sea level) 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 record; including time, pumping rate, drawdown, chloride content, and water quality data.

By this letter, your request is approved. Please submit the above items by January 20, 1999. Be advised that failure to comply with the terms of your permit may result in daily fines of up to $1000.

If you have any questions, please contact Lenore Nakama at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Sincerely,

TIMOTHY E. JOHNS  
Deputy Director

LN:ss
Enclosure
Please allow me an extension for one month (January 20th) I have not been able to reach Fred Page, my drilling contractor, and I am leaving on vacation and will return on 1/5/99.

My sincere apologies.

Jon Anderton
# Important Message

**For:** ____________________  
**A.M.:** ____________________  
**Date:** ________________  
**Time:** ________________  
**P.M.:** ____________________  
**M:** ____________________  
**Of:** ____________________  

**Phone:**  
**Area Code:** ____________________  
**Number:** ____________________  
**Extension:** ____________________  
<table>
<thead>
<tr>
<th><strong>Fax</strong></th>
<th><strong>Mobile</strong></th>
</tr>
</thead>
</table>
| **Area Code:** ____________________  
**Number:** ____________________  
**Time to Call:** ____________________ |

<table>
<thead>
<tr>
<th><strong>Telephoned</strong></th>
<th><strong>Please Call</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Came to See You</strong></td>
<td><strong>Will Call Again</strong></td>
</tr>
<tr>
<td><strong>Wants to See You</strong></td>
<td><strong>Rush</strong></td>
</tr>
<tr>
<td><strong>Returned Your Call</strong></td>
<td><strong>Special Attention</strong></td>
</tr>
</tbody>
</table>

**Message:**  
________________________________________  
________________________________________  
________________________________________  
________________________________________  
________________________________________  
________________________________________

**Signed:** ____________________  

---

**Tops.**  
**Form 3002P**  
**Litho in U.S.A.**
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, HI 96714

Dear Mr. Anderton:

Notice of Expiration of Well Construction Permit  
Aliomanu-Anderton Well (Well No. 0919-04)  
Kawailoa, Kauai

Our records show that a well construction permit was issued for the subject well on March 5, 1995 (attached).

Since we did not receive any written notice of the start of work (Standard Condition 1) for the subject well, we assume that no work was done under this permit, which has expired. Be advised that a new application for a well construction permit must be made and approved by the Commission on Water Resource Management prior to any future well construction.

In the event that the well was constructed and the pump was installed under the permit, please submit the following items that are required under Standard Condition 6 within thirty (30) days from the date of this letter:

- Well Completion Report (form enclosed).
- Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
- As-built sectional drawing of the well.
- Plot plan and map showing the exact location of the well.
- Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

Be advised that failure to comply with the terms of your permit may result in daily fines of up to $1000.

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

Sincerely,

TIMOTHY E. JOHNS
Deputy Director
MEMORANDUM FOR THE RECORD

FROM: Lenore Nakama

SUBJECT: Well Completion Report for Well No. 0919-04

Jon Anderton called on 8/4/98. He did not drill the well under the first permit issued in 1993, but he did drill and test a well under the second permit issued in 1996. He will compile as much info as possible and will submit ASAP.

11/23/98 Spoke w/ Jon Anderton. He apologized & said he would work on it ASAP. Mailed him a copy of the WC3 form & our 1/8/98 letter on 11/23/98
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Jon F. Anderton
P.O. Box 1308
Hanalei, HI 96714

Dear Mr. Anderton:

Notice of Expiration of Well Construction Permit
Aliomanu-Anderton Well (Well No. 0919-04)
Kawaihao, Kauai

Our records show that a well construction permit was issued for the subject well on March 5, 1995 (attached).

Since we did not receive any written notice of the start of work (Standard Condition 1) for the subject well, we assume that no work was done under this permit, which has expired. Be advised that a new application for a well construction permit must be made and approved by the Commission on Water Resource Management prior to any future well construction.

In the event that the well was constructed and the pump was installed under the permit, please submit the following items that are required under Standard Condition 6 within thirty (30) days from the date of this letter:

b. Elevation (referenced to mean sea level) 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 record; including time, pumping rate, drawdown, chloride content, and water quality data.

Be advised that failure to comply with the terms of your permit may result in daily fines of up to $1000.

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

Sincerely,

TIMOTHY E. JOHNS
Deputy Director

LN:ss
Enclosures
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

WELL CONSTRUCTION PERMIT
for
Aliomanu-Anderton Well
Well No. 0919-04

To: Mr. Jon F. Anderton
P.O. Box 1308
Hanalei, Hawaii 96714

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Aliomanu-Anderton Well (Well No. 0919-04) at Aliomanu, Kawaihau, Kauai, TMK 4-9-2:1D, is approved, 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, 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. 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:
   a. Well completion report.
   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.
The permittee shall comply with all applicable laws, rules, and ordinances.

The well construction permit application and staff submittal approved by the Commission at its February 21, 1996 meeting are incorporated into the permit by reference.

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.

SPECIAL CONDITIONS

1. The well should not be used for drinking water unless it is properly tested and treated.

2. 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.

3. The Chairperson shall approve and issue the pump installation permit upon the acceptance of aquifer pumping test results required in condition 6e, subject to the standard permit conditions in Exhibit 3.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management
Date of Approval: February 21, 1996

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: John F. Anderson Date: 3/6/96

Printed Name: Owner/Representative of Other Partners

Please sign both copies and return one copy of this permit to the Commission and retain a copy for your record.

Attach.
cc: USGS Department of Health Safe Drinking Water Branch Wastewater Branch Kauai Department of Water Supply
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, Hawaii 96714

Dear Mr. Anderton:

Well Construction Permit  
Aliomanu-Anderton Well (Well No. 0919-04)

Enclosed are two (2) copies of your permit for the captioned wells. Please sign them and return one for our files.

Also enclosed is the aquifer pump test procedure. Please note that a pump installation permit will be issued upon acceptance of the aquifer pumping test results.

If you have any questions, please call Rae M. Loui, Deputy Director, at 587-0124.

Aloha,

Enclosures
To: Mr. Jon F. Anderton
P.O. Box 1308
Hanalei, Hawaii 96714

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Aliomanu-Anderton Well (Well No. 0919-04) at Aliomanu, Kawaihau, Kauai, TMK 4-9-2:1D, is approved, 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, 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. 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:
   a. Well completion report.
   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 February 21, 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.

**SPECIAL CONDITIONS**

1. The well should not be used for drinking water unless it is properly tested and treated.

2. 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.

3. The Chairperson shall approve and issue the pump installation permit upon the acceptance of aquifer pumping test results required in condition 6e, subject to the standard permit conditions in Exhibit 3.

[Signature]

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Approval: February 21, 1996

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 and return one copy of this permit to the Commission and retain a copy for your record.

Attach.

cc: USGS
Department of Health
Safe Drinking Water Branch
Wastewater Branch
Kauai Department of Water Supply
STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

February 21, 1996
Honolulu, Oahu

Jon F. Anderton
APPLICATION FOR WELL PERMIT
Aliomanu-Anderton Well (Well No. 0919-04)
Well Construction: 8-inch diameter, 400-foot deep
Pump Installation: 50-gpm Pump
for domestic and irrigation use,

LANDOWNER:

Same

APPLICANT:

Jon F. Anderton
P.O. Box 1308
Hanalei, Hawaii 96714

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

WATER AVAILABILITY:

Proposed Use: 70,000 gpd for domestic and irrigation use. Existing Use (12-MAV): 7 mgd.

BACKGROUND:

July 28, 1993 The Commission approved a Well Construction/Pump Installation Permit for this well; it expired July 1995.

November 16, 1995 A new application was filed for the same well; it specified the same dimensions, capacity, and use as previously permitted.

ISSUES/ANALYSIS:

Agency Review: The application was published in the Commission's Water Resource Bulletin in December 1995; the longer list of agencies who had once received review notices were advised by letter that copies of applications would no longer be automatically routed to them, as the Bulletin served that purpose. Review letters were sent to the Department of Health's (DoH's) Safe Drinking Water and Wastewater Branches. The Safe Drinking Water Branch recommends that potable water wells such as this one not requiring
Department of Health approval be tested for bacteriological and chemical presence and be routinely monitored thereafter. In similar instances, but not in this one, DoH has cautioned against the potential inadvertent consumption of non-potable water in a single system that serves both potable and non-potable purposes.

Staff review: The proposed well would tap fresh basal ground water in Waimea basalt. Proposed use is approximately 70,000 gallons per day. There are two small, relatively shallow irrigation wells just under half a mile to the north in Koloa basalt, and a major DHHL production well about half a mile south in Waimea basalt. Another small irrigation well is about three-quarter miles northeast on the coast, for which we have little further information. An observation well and a production well one mile away are unused.

The well is also near the unaged Anahola Stream which is diverted upstream by Lihue Plantation's Anahola Ditch and has four (4) registered diversions for home uses. Due to the proximity to the ocean, measurable impacts on the stream are unlikely. At the proposed level of pumpage from Waimea lavas and at its distance from other wells, no adverse or measurable impacts are expected from this well. Pumping tests will help staff to assess this situation.

RECOMMENDATION:

A. That the Commission approve the issuance of a well construction permit for Aliomanu-Anderton Well, subject to the standard permit conditions in Exhibit 3 and the following special conditions:

1. The well should not be used for drinking water unless it is properly tested and treated.

2. 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.

B. That the Commission authorize the Chairperson to approve and issue the pump installation permit upon the acceptance of aquifer pumping test results required in condition 6e, subject to the standard permit conditions in Exhibit 3.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
9. PROPOSED WELL SECTION

Elevation at top of casing

Cement Grout: 200 ft.

Rock Packing: 200 ft.

Hole Diameter: 9 in.

Total Depth: 400 ft.

Ground Elevation: 200 ft., msl

Solid Casing:
Material: PVC Sched 40
Length: 200 ft.
Diameter: 5 in.
Wall thickness: 1/4 in.

Casing:
Perforated Screen
Material: PVC
Length: UP TO 200 ft.
Diameter: 5 in.
Wall thickness: 1/4 in.
Openings: 55 sq. in. A.F.

Open Hole:
Length: ______________________ ft.
Diameter: ____________________ in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. The Commission shall be notified two weeks before work commences, to facilitate monitoring.

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 (Exhibit 4). 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:
   a. Well completion report.
   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 February 21, 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.
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 50 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 and report to the Commission on a monthly 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 pump installation portion of the Well Completion Report and as-built sectional drawings of the pump installation shall be submitted 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 February 21, 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 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.
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.
AQUIFER (PUMP) TEST PROCEDURES

3. Each pumping rate should be continued for one hour, after which the new rate should be instituted as rapidly as possible.

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

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

6. Measurement of chloride concentration and temperature of the discharge water shall be measured at least five times:
   a. at the end of each pumping rate during the step-drawdown test, and
   b. at the very beginning of the test.

7. 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

Pumped Well No. ___________ Observation well no. ___________

Pumped Well Name ___________ Distance between Obs. & Pumped Well ___________ ft.

Target Q ___________ gpm Reference pt. for depth to water ___________ ft. msl

Distance between Obs. & Pumped Well ___________ ft. msl

Static Water Level @ start of test ___________ ft. msl

Water level measurements by: [ ] steel tape [ ] pressure transducer [ ] airline

START TEST Date: ___________ Hour of day: ___________

Flow Meter Reading Start: ___________ gals

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Use same ending drawdown figure as start for recovery

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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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 1996
TO: Honorable Lawrence Miike, Director
   Department of Health
   Attn: Mr. Dennis Tulang, Wastewater Branch
      Mr. William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application for
       Aliomanu-Anderton Well (Well No. 0919-04)

Transmitted for your review and comment is a copy of a Well Construction/Pump
Installation Permit Application for Aliomanu-Anderton Well (Well No. 0919-04).

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 January 15, 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.

Attachment(s)

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

Contact Person: Bill Wong          Phone: 5869258

Signed: Bill Wong                  Date: 12/31/95
December 27, 1995

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) Aliomanu-Anderton Well (Well No. 0919-04)
2) Raiput Elixir Well (Well No. 1222-01)
3) Haiku Mauka Well 1 (Well No. 5825-04)

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:1a

Enclosures
TO: Honorable Lawrence Miike, Director  
      Department of Health  
      Attn: Mr. Dennis Tulang, Wastewater Branch  
            Mr. William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application for  
         Aliomanu-Anderton Well (Well No. 0919-04)

Transmitted for your review and comment is a copy of a Well Construction/Pump  
Installation Permit Application for Aliomanu-Anderton Well (Well No. 0919-04).

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or inconsistencies with the programs, plans, and objectives specific to your department.  
Please respond by returning this cover memo form by January 15, 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.

Attachment(s)

RESPONSE: ☑ We have no comments  
           ( ) Comments attached  

Contact Person: Len N. Kajiwara  
                 Phone: 586-2941

Signed: Len N. Kajiwara  
        Date: 12/21/95
Mr. Jon F. Anderton  
P.O. Box 1308  
Anahola, Hawaii  96703  

Dear Mr. Anderton:  

Well Construction/Pump Installation Permit Application for  
Aliomanu-Anderton Well (Well No. 0919-04)  

We accepted your Well Construction/Pump Installation Permit  
Application for Aliomanu-Anderton Well (Well No. 0919-04) on November  
16, 1995, 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.  

Sincerely,  

[Signature]  

RAE M. LOUI  
Deputy Director  

Cl:ss
TO: Honorable Lawrence Miike, Director  
   Department of Health  
   Attn: Mr. Dennis Tulang, Wastewater Branch  
   Mr. William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application for  
   Aliomanu-Anderton Well (Well No. 0919-04)

Transmitted for your review and comment is a copy of a Well Construction/Pump Installation Permit Application for Aliomanu-Anderton Well (Well No. 0919-04).

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 January 15, 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.

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:** 12/4/95

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**REMARKS:**

LINE (1) Well No. 1222-01 (WCP)
LINE (2) Well No. 0919-04 (WCP & PIP)
LINE (3) Well No. 5413-05 (WCP & PIP)
LINE (4) Well No. 5413-06 (WCP & PIP)
State of Hawaii  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources

APPLICATION FOR PERMIT  
☐ Well Construction  ☐ 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 821, Honolulu, Hawaii 96823. 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 b, c)  
   (a) WELL OWNER  
   Firm/Name: Jon F. Anderson  
   Contact: P.O. Box 1308  
   Address: Hanalei, Hawaii 96714  
   (b) LANDOWNER  
   Firm/Name: Same  
   Contact:  
   Address:  
   (c) CONTRACTOR  
   Firm/Name: To be selected (possibly self)  
   Contact:  
   Address:  

2. WELL LOCATION/NAME: Anahola / Kauai  
   Address: Kuhio Hwy  
   Island: Kauai  
   (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  ☐ Modify Existing Well  ☐ Install New Pump  ☐ Replace Pump  ☐ Modify Pump  
   ☐ Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:  
   ☐ New  ☐ Bored  ☐ Driven  ☐ Drilled  ☐ Radial  
   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: 500 gallons per minute
   Pump Type: ☐ Deep Well Turbine  ☐ Rotary-Displacement  ☐ Rotary-Gear  ☐ Impulse  
   ☐ Submersible  ☐ Rotary  ☐ Propeller  ☐ Impulse  
   Motor: ☐ Diesel  ☐ Gas  ☐ Electric, rated horsepower of 4

5. PROPOSED USE:  
   ☐ Municipal (including hotels, stores, etc.)  ☐ Military  
   ☐ Domestic (individual, noncommercial water sys.)  ☐ Industrial  
   ☐ Irrigation (crop)  ☐ Other (explain)
   County Land Use District: ☐ Urban  ☐ Agriculture  ☐ Rural  ☐ Conservation

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 70,000 gallons per day

(b) METHOD OF FLOW MEASUREMENT:  
   ☐ Flow-meter  ☐ Open-pipe  ☐ Office Plate  ☐ Weir

7. PENDING ACTIONS:  
   ☐ CDUA ☐ SMA ☐ EIS ☐ EA ☐ NONE  
   Completion Date:  

8. REMARKS, EXPLANATIONS:  
   (if more space is needed, continue below under remarks, explanations.)

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 thirty (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 cumulative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: Jon F. Anderson  
Landowner: Jon F. Anderson  
Contractor: Jon F. Anderson

Signature:  
Date: 11/13/95  

For Official Use Only:  
Date Received  
Date Accepted  
Field Checked By  
Date  
Longitude  
Latitude  
Aquifer System Name  
State Well No.  
9/26/95 WCPI Form
8. Remarks, Explanations (cont'd):


9. PROPOSED WELL SECTION

Elevation at top of casing
   _____ ft., msl.

Cement Grout: 200 ft.

Rock Packing 200 ft.

Hole Diameter: 9 in.

Ground Elevation: 200 ft., msl

Solid Casing:
   Material: PVC Sched 40
   Length: 200 ft.
   Diameter: 5' in.
   Wall thickness: 3/4 in.

Casing: □ Perforated □ Screen
   Material: PVC
   Length: UP TO 200 ft.
   Diameter: 5' in.
   Wall thickness: 3/4 in.
   Openings: 55 sq. in./A.F.

Open Hole:
   Length: ______________________ ft.
   Diameter: ____________________ 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.
Notes:
1. Parcel A, B, F, G, #, I are very flat & level, yet still have ocean views.
2. Parcel C: Flat Flat, partsloping
3. Parcels D & E are mainly on a hill and both slope down in the back to a dry stream bed.
4. Dry Stream bed is the back boundary.
5. Roadway is indicated by thick line.
6. To Lihue
7. To North Shore
REF: WRM-KY

SEP 16 1993

Jon F. Anderton
P.O. Box 1308
Hanalei, HI 96714

Dear Mr. Anderton:

The Commission on Water Resource Management (Commission), on July 28, 1993, approved a permit for the construction and testing of Aliomanu-Anderton Well (Well No. 0919-04). We have recently received comments from the State Historic Preservation Division (SHPD) concerning your well. Enclosed are the comments from the SHPD. We would appreciate your contacting them to find out what steps are required to satisfy their concerns. Condition 4 of our permit states:

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

We appreciate your cooperation in this matter.

Very truly yours,

[Signature]

KEITH W. AHUE
CHAIRPERSON

Enclosure

cc: State Historic Preservation Division
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: [Signature]
DATE: [Date]
FILE IN: [Blank]

TO: [Blank]
INIT: [Blank]

PLEASE:
- See Me
- Call
- Review & Comment
- Take Action
- Investigate & Report
- Draft Reply
- Acknowledge Receipt
- Type Draft
- Type Final
- Xerox ___ copies

FOR YOUR:
- Approval
- Signature
- Information
MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Historic Preservation Review -- Well (0919-04) Pump Installation
TMK: 4-9-02: Parcel D 1 & 2 (Anderson)
Aliomanu, Hanalei, Kauai

No archaeological surveys have taken place in the project area, so we are uncertain if significant historic sites are present. A review of our files indicates that several sites are nearby (heiau and agricultural terraces). This makes it likely that historic sites could be present. While there already is an existing well in the project area and the plans submitted are just to replace the existing lines and pump, we believe that this project could inadvertently impact immediately adjacent sites. To cover this contingency, we recommend that the applicant should submit to our office a description with photographs of the project area, so we can verify that the nearby sites are not immediately nearby and so we can, thus, process a "no effect" determination.

If you have any questions, please contact Ms. McMahon, our staff archaeologist for the County of Kaua‘i, at 587-0006.
WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT

for

Aliomanu-Anderton Well
Well No. 0919-04
Aliomanu, Kauai

TO: Jon F. Anderton
P.O. Box 1308
Hanalei, HI 96714

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Aliomanu-Anderton Well (Well No. 0919-04), for domestic and irrigation use, is approved subject to the following conditions:

1. The Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, before any work covered by this permit commences.

2. The permit shall be for construction, testing, and installation of a 25 gpm capacity, or less, pump in the well, as determined by the pumping test results. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. The applicant shall submit the test results and proposed permanent pump information, based on the test, for approval by the Chairperson. No permanent pump may be installed and no water used from the well without the Chairperson's approval.

3. 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 construct and pump water from the 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.

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

5. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.
6. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) 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 record; including time, pumping rate, drawdown, chloride content, and water quality data.

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

8. This permit may be revoked if work is not started within six months of the date of approval or if work is suspended or abandoned for six months. The work proposed in the permit application shall be completed within two years from the date of permit approval.

9. Water from the well shall not be used for drinking water unless properly tested and treated.

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

Date of Approval
JUL 28 1993

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 and return one copy of this permit to the Commission and retain a copy for your record.

enclosure
c:  USGS
   Department of Health
       Safe Drinking Water Branch
       Ground Water Protection Program
       Wastewater Branch
   Kauai Department of Water
WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT

for

Aliomanu-Anderton Well
Well No. 0919-04
Aliomanu, Kauai

TO: Jon F. Anderton
P.O. Box 1308
Hanalei, HI 96714

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Aliomanu-Anderton Well (Well No. 0919-04), for domestic and irrigation use, is approved subject to the following conditions:

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9. Water from the well shall not be used for drinking water unless properly tested and treated.

KEITH W. AHUE, Chairperson
Commission on Water Resource Management
JUL 28 1993
Date of Approval

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: 8/12/93
Printed Name: ______________

Firm or Title: ____________________

Please sign and return one copy of this permit to the Commission and retain a copy for your record.

enclosure
c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Kauai Department of Water
July 14, 1993

Ms. Rae M. Loui, Deputy Director
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land & Natural Resources
P. O. Box 621
Honolulu, HI 96809

Re: Well Construction Permit Application - Aliomanu-
Anderton, Well No. 0919-04, Well Owner: Jon F. 
Anderton, TMK: 4-9-02:1 & 2, Aliomanu, Anahola, Kauai

We have no objections to the proposed private well and pump 
construction permit.

Raymond H. Sato
Manager and Chief Engineer

GF:rm
The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Well and Pump Applications

Thank you for the opportunity to comment on the following applications:

Maui:
Lahaina Civic Center (5441-02)
Kapalua #2 (5938-03)
Wailea #6A (4026-07)

Kaua'i:
✓Aliomanu (0919-04)

Hawaii:
Hawi #2 (7349-01)
Kaupulehu (4859-01)

The Department of Hawaiian Home Lands has no objections to these projects.

We note the Anderton application (Aliomanu), with interest, as an opportunity to learn more about the groundwater resource of northeastern Kaua'i, between the Anahola and Moloaa tracts of Hawaiian home lands.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
June 26, 1993

State of Hawaii
Department of Land and Natural Resources
Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

To whom it may concern;

In response to the attached correspondence, please be advised that no part of this property is in the Conservation district.

Please feel free to contact me if there are any other questions.

Sincerely,

Jon F. Anderton
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, HI 96714  

Dear Mr. Anderton:

We have received your application and filing fee for a permit to construct and install a pump in Aliomanu-Anderton Well (Well No. 0919-04) at Kawaihau, Kauai (TMK 4-09-02). We are reviewing the application for completeness.

Under item #7 PENDING ACTIONS, we would like to know if your property is in the Conservation District, which would require a Conservation District Use Application (CDUA), or if there are any other pending actions. Please provide the information so we can continue to process your application.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko  
Encl.
MEMORANDUM

TO: Dr. Don Hibbard, Director
    Historic Preservation Division

FROM: Rae M. Loui, Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 15 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

JZ:ko
Enc.

Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ___________________________ Phone: __________

Signed: ___________________________ Date: __________
MEMORANDUM

TO:     Honorable Hoaliku L. Drake, Director
         Department of Hawaiian Home Lands

         Mr. Clayton H.W. Hee, Chairman & Trustee At Large
         Office of Hawaiian Affairs

FROM:  Keith W. Ahue, Chairperson

SUBJECT:  Well Construction & Pump Installation Permit Application

Please review the following permit application(s), pursuant to your area of concern
and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource
Management staff at 587-0225.

Enc.

Response:
( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person:  ___________________________  Phone:  ___________

Signed:  ___________________________  Date:  ___________
Ms. Marjorie Ziegler  
Sierra Club Legal Defense Fund, Inc.  
212 Merchant Street, Room 202  
Honolulu, Hawaii 96813  

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director

JZ:ko  
Enc.
Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ____________________________ Phone: ____________

Signed: ________________________________ Date: ____________
Mr. Thomas Arizumi, Chief
Environmental Management Division
Department of health
Five Waterfront Plaza
500 Ala Moana Blvd., Suite 250
Honolulu, Hawaii  96813

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

ARIO M. LOUI
Deputy Director

JZ:ko
Enc.
Mr. Raymond Sato  
Manager and Chief Engineer  
Department of Water  
County of Kauai  
P.O. Box 1706  
Lihue, Kauai, HI 96766

Dear Mr. Sato:

**Well Construction and Pump Installation Permit Application**

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 16 1993**

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director
Mr. Jon F. Anderton  
P.O. Box 1308  
Hanalei, HI 96714

Dear Mr. Anderton:

We have received your application and filing fee for a permit to construct and install a pump in Aliomanu-Anderton Well (Well No. 0919-04) at Kawaihau, Kauai (TMK 4-09-02). We are reviewing the application for completeness.

Under item #7 PENDING ACTIONS, we would like to know if your property is in the Conservation District, which would require a Conservation District Use Application (CDUA), or if there are any other pending actions. Please provide the information so we can continue to process your application.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director
State of Hawaii  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources

APPLICATION FOR PERMIT  
[ ] Well Construction  
[ ] 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 State, of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 586-0225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)  
(a) WELL OWNER  
Firm/Name: JON F. ANDERTON  
Contact Person:  
Address:  
(b) LANDOWNER  
Firm/Name: SAME  
Contact Person:  
Address:  
(c) CONTRACTOR  
Firm/Name: TO BE SELECTED  
Contact Person:  
Address: 

2. WELL LOCATION/NAME: ANAHOLA/ MOLONAI Island KAUAI  
Address:  
Tax Map Key 4-9-02: PAGEL D

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

(b) WELL TYPE:  
[ ] Dug  
[ ] Bored  
[ ] Driven  
[ ] Drilled  
[ ] Radial  
[ ] 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: 50 gallons per minute

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>Motor:</th>
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<tbody>
<tr>
<td>Deep Well Turbine</td>
<td>Electric, rated horsepower of</td>
</tr>
<tr>
<td>Submersible</td>
<td>4</td>
</tr>
<tr>
<td>Centrifugal</td>
<td></td>
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<tr>
<td>Rotary</td>
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<tr>
<td>Rotary-Displacement</td>
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<td>Propeller</td>
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<td>Impulse</td>
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5. PROPOSED USE:  
[ ] Municipal (Including hotels, stores, etc.)  
[ ] Domestic (Individual, noncommercial water syst.)  
[ ] Irrigation (prop)  
[ ] Industrial  
[ ] Military  
[ ] Rural  
[ ] Conservation  
[ ] Urban  
[ ] Agriculture  
[ ] Other (explain)  
State Land Use District:  
County Zoning (describe):  
(If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:  
70,000 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)

8. REMARKS, EXPLANATIONS:  
DRILL WELL FOR DOMESTIC SUPPLY AND  
IRRIGATION
(If more space is needed, continue on back)

NOTE: Signing below indicates that the applicant understands that, if the permit requested is granted by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after the completion date of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute a determination of corrective water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: JON F. ANDERTON  
Signature:  
Date: 4/20/93

Landowner: JON F. ANDERTON  
Signature: JON F. ANDERTON  
Date: 4/20/93

Contractor:  
Signature:  
Date: 

For Official Use Only:  
Date Received:  
Date Accepted:  
Field Checked By:  
Date: 

Longitude:  
Latitude:  
Aquifer System Name:  
State Well No.:  
5/24/92 WPR Form
Remarks, Explanations (cont’d):

9. PROPOSED WELL SECTION

Elevation at top of casing

Cement Grout: 200 ft.

Rock Packing: 200 ft.

Hole Diameter: 8 in.

Total Depth: 400 ft.

Ground Elevation: 200 ft., msl*

Solid Casing:
- Material: PVC Sched 40
- Length: 200 ft.
- Diameter: 5 in.
- Wall thickness: \( \frac{3}{4} \) in.

Casing: \( \square \) Perforated \( \square \) Screen
- Material: PVC
- Length: up to 200 ft.
- Diameter: 5 in.
- Wall thickness: \( \frac{3}{4} \) in.
- Openings: 55 sq. in./L.F.

Open Hole:
- Length:
- Diameter:

*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.
Aliomanu—Anderton
Well No. 0919—04
APPLICATION FOR PERMIT

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: Jon F. Anderton
      Contact Person: 
      Address: P.O. Box 1308
      Hanalei, HI 96714
   (b) LANDOWNER
      Firm/Name: Same
      Contact Person: 
      Address: 
   (c) CONTRACTOR
      Firm/Name: To Be Selected
      Ph: 
      Contractor's C-57 License No.
      Address: 

2. WELL LOCATION/NAME: ANAHOLA/MOLOA'A
   Island: KAUAI
   Address: 
   Tax Map Key: 4-9-02 PARCEL D
   (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
      Modify Existing Well
      Install New Pump
      * Alter Location
      * Abandon/Seal
      * Be sure to complete and submit well abandonment report upon completion of work.
      (b) WELL TYPE:
      Dug
      Bored
      Driven
      Drilled
      Radial
      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: 50 gallons per minute
   Pump Type:
   Deep Well Turbine
   Submersible
   Centrifugal
   Rotary
   Rotary-Displacement
   Rotary-Gear
   Propeller
   Reciprocating
   Impulse
   Motor:
   Diesel
   Gas
   Electric, rated horsepower of

5. PROPOSED USE:
   Municipal (including hotels, stores, etc.)
   Industrial
   Agriculture
   Rural
   Conservation
   Domestic (individual, noncommercial water sys.)
   Irrigation (crop)
   Varied
   State Land Use District:
   Urban
   Agricultural
   Rural
   Conservation
   County Zoning (describe)
   Utility
   Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 70,000 gallons per day
    (b) METHOD OF FLOW MEASUREMENT:
    Flow-meter
    Open-pipe
    Office Plate
    Weir

7. PENDING ACTIONS:
   CDUA
   SMA
   EIS
   EA
   NONE
   Other (explain)

8. REMARKS, EXPLANATIONS:
   DRILL WELL FOR DOMESTIC SUPPLY AND
   IRRIGATION
   (If more space is needed, continue below remarks, explanations.)

Well Owner: Jon F. Anderton
Landowner: Jon F. Anderton
Contractor: 
Signature: 4/20/93
Signature: 4/20/93
signature: 
Date: 4/20/93
Date: 
Date: 

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

6/24/92 WCR Form
9. PROPOSED WELL SECTION

Elevation at top of casing

ft., msl.

Ground Elevation: 200 ft., msl

Cement Grout: 200 ft.

Rock Packing: 200 ft.

Solid Casing:

Material: PVC Sched 40
Length: 200 ft.
Diameter: 5 in.
Wall thickness: \( \frac{1}{4} \) in.

Hole Diameter: 8 in.

Total Depth: 400 ft.

Casing:  
Perforated  
Screen
Material: PVC
Length: UP TO 200 ft.
Diameter: 5 in.
Wall thickness: \( \frac{1}{4} \) in.
Openings: 55 sq. in./L.F.

Open Hole:
Length
Diameter

*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.
Aliomanu—Anderton
Well No. 0919—04
Notes:
Parcel A, B, F, G, H, I are very flat levels, yet still have ocean views.
Parcel C: Flat, part sloping
Parcels D & E are mainly on a hill and both slope down in the back to a dry stream bed

Dry Stream bed is the back boundary

Roadway is indicated by thick line