## CHECKLIST

**WELL CONSTRUCTION PERMIT**  
**PUMP INSTALLATION PERMIT**

### WELL NAME or LOCATION:
Kihei - Piilani Irr. Well

### WELL NUMBER:
4257-08

### OWNER or OPERATOR:
Blackfield Hawaii Corp. and Baldwin-Pacific Corp.

### ADDRESS:
1221 Kapolei Blv., Suite 700
Honolulu, Hawaii 96814

### TELEPHONE (contact person):
538-3841 (James Hoover)

### Date application received:
11-17-89

### Date acknowledged receipt/request more information:
11-27-89

### Date application accepted:

### Date application (90 days):

### Date filing fee deposited:

### Application sent to following:

<table>
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<th>Department</th>
<th>Date sent</th>
<th>Comments received</th>
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<tr>
<td>Dept. of Health</td>
<td>12-6-89</td>
<td>1-4-90</td>
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<tr>
<td>County water board/dept</td>
<td>11-27-89</td>
<td>1-4-90</td>
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</tbody>
</table>

### Date agenda due:

### Date submittal due:

### Date submittal sent to applicant:

### Date application approved or disapproved:

### Date applicant notified of decision:

### REMARKS:

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FAX TRANSMITTAL

August 25, 2004

DLNR, Engineering Division
1151 Punchbowl St. Rm 221
Honolulu, Hawaii 96813

Fax 587-0283

Attn: Charlie Ice

Re: Piilani Village I Well
Well Completion Report

Charlie:

Attached for your use is the request for the well completion report per our discussion this morning.

Please call me at 682-5554 if you have any questions.

I'll look forward to your response.

Mahalo,

Dwight Ho
General Manager
Ms. Natalie I. Kiehm  
Baldwin*Malama  
915 Fort Street, Suite 702  
Honolulu, Hawaii  96813

Dear Ms. Kiehm:

Well Completion Report  
Kihei-Pillani Village Well (Well No. 4527-08)  

We received your June 16, 1997 transmittal of the signed after-the-fact Pump Installation Permit issued April 22, 1997 and the Well Completion Report for the original pump installation in 1992, with as-built drawings. We had earlier received the Well Completion Report for the replacement pump recently installed in January, 1997.

We accept these transmittals in satisfactory fulfillment of Condition #5 and the special condition of your permit.

If you have any questions, please call Charley Ice at 587-0251 or toll-free at 984-2400, extension 70251.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Cl:ss
June 12, 1997

Mr. Michael D. Wilson
Chairperson
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii  96809

Re: Pump Installation Permit
    Kihei - Piilani Village Well (Well No. 4527-08)

Dear Mr. Wilson:

Enclosed are the following items:

1) One fully executed original permit; and

2) A completed Part II of the Well Completion Report.

If any further information is required, please call me at 539-7175.

Sincerely,

BALDWIN * MALAMA
By Malama Development Corp.
Its General Partner

Natalie I. Kiehm
Vice President

Enclosures
Dear Mr. Diffley:

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 condition was added and is part of your permit under Permit Condition 10:

Special Condition

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.

Please sign and have the contractor sign both enclosed 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 Charley Ice of the Commission staff at 587-0251 or toll-free at 984-2400, extension 70251.

Aloha,

Michael D. Wilson
Chairperson

Enclosures
PUMP INSTALLATION PERMIT

Kihei-Piilani Village Well, Well No. 4527-08

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 Kihei-Piilani Village Well (Well No. 4527-08) at Waiohuli Kai, Kihei, Maui, TMK 2-2-25:109 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 40 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: April 22, 1997
Expiration Date: April 22, 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
Maui Department of Water Supply
PUMP INSTALLATION PERMIT
Kihei-Piilani Village Well, Well No. 4527-08

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Permittee's Signature: [Signature]
Date: 5/21/97

Printed Name: Natalie I. Kiehm
Firm or Title: Vice President

Installer's Signature: [Signature]
Date: 5/29/97

Printed Name: William C. Moore
Firm or Title: Vice President

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
Maui Department of Water Supply
PART II. (PERMANENT) PUMP INSTALLATION REPORT

22. Pump Installation Company: Roscoe Moss Hawaii, Inc.

23. Name of person performing work: John Mole

24. Date Pump Installation Completed: 2/28/92

25. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: Submersible/Grundfos/8836
   - Motor type, H.P., Voltage, rpm: Franklin/5/230/10/3540
   - Depth of Pump Intake Setting: 54-6 ft. below Surface, which elevation is ___
   - Depth to bottom of airline: 54-6 ft. below Surface, which elevation is ___
   - Pumping Head: 225 ft.
   - Type of flow meter: Turbine which measures in GPM

26. As-built drawings attached? X Yes _ No

27. Other remarks/comments: (See below)

Pump Installation Contractor (print) Roscoe Moss Hawaii, Inc. C-57 Lic. No. C-16437
Signature: William C. Moore, Vice President
Date 5/29/97

Applicant (print)
Signature
Date

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

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MODEL 40S

FLOW RANGE
24 to 55 GPM
PUMP OUTLET
2" NPT

PERFORMANCE CURVES

OPERATING RANGE: 24 to 55 GPM
FOR CAPACITIES BELOW 24 GPM
SEE MODEL 255

DIMENSIONS AND WEIGHTS

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* A 4-inch motor is provided as standard for these models.
Specifications are subject to change without notice.
**LETTER OF TRANSMITTAL**

**TO:** Charlie Ice  
State of Hawaii  
Commission on Water Resource Management  
P. O. Box 621  
Honolulu, HI 96809

**FROM:** Bob Diffley  
Malama Development Corp.

**DATE:** May 6, 1997

**SUBJECT:** Permit for Piilani Village Well

We are transmitting the following check for the fine imposed at the Commission on Water Resource meeting held on April 16, 1997. We regret that our predecessor failed to obtain the installation permit as required, but we are also pleased that the well now has all the necessary permits.

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REMARKS:
LINE (1) Well No. 4527-08 (Fines)
LINE (2)
LINE (3)

Baldwin Malama

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Senior Accountant

[Signature]

Date

****Five Hundred and No/100 Dollars**** TO THE ORDER OF DEPT. OF LAND & NATURAL RESOURCES

Bank of Hawaii
Kahului Branch
Kahului, Hawaii
59-102/1213
TO: Bob Diffley
FROM: Charley Ice
Date: 02 May 77

Your permit for Kihei-Piilani Village Well (4527-08) is ready, as soon as we receive payment of a $500 fine, payable to the Dept. of Land & Natural Resources.
Baldwin* Malama
AFTER-THE-FACT APPLICATION FOR PUMP INSTALLATION PERMIT
Kihei-Piiilani Village Well (Well No. 4527-08)
(17-inch diameter, 66-foot deep well)
  Pump Installation: 40-gpm Pump
  for landscape irrigation,
  Kihei, Wailuku, Maui, TMK 2-2-25:109

APPLICANT:  LANDOWNER:
Baldwin* Malama  Piilani Homeowners Association
915 Fort Street, Suite 702  915 Fort Street, Suite 702
Honolulu, Hawaii 96813  Honolulu, Hawaii 96813

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

WATER AVAILABILITY:
Kamaole Aquifer System of Central Sector. Estimated Sustainable Yield: 11 mgd. Existing
Use: Unavailable from WUDP; review of files suggests <1 mgd within a mile of this well.
Irrigation Use: 60,000 gpd.
Installed pump capacity: 40 gpm. (154)

BACKGROUND:
The application for this well was accepted as complete on February 25, 1997.
A letter of explanation for the after-the-fact application was faxed on April 3, 1997 (Exhibit 3
3). (we had notified them of file deficiency /no PIP)
Staff Submittal

April 16, 1997

ISSUES/ANALYSIS:

Department of Health Review: The Safe Drinking Water Branch recommends that potable water wells such as this one not requiring Department of Health (DOH) approval be tested for bacteriological and chemical presence and be routinely monitored thereafter. In similar situations, that Branch has also specified that potable and irrigation applications using the same source be equipped to prevent backflow from non-potable to potable systems, and labelled to prevent inadvertent consumption of non-potable water. Wastewater Branch reports no individual septic systems (IW/WS) records for this area or no record of possible contamination sources. DOH response sheets are attached as Exhibit 4.

Staff review: The well taps brackish alluvial ground water adjacent to a gulch of Waiohuli Kai. There are eight other shallow alluvial wells nearer than the shoreline, all downslope or across-slope of the subject well. Two of these are unused, six others are for irrigation, using 50,000 gpd or less. In all these wells, chlorides average just under 600 ppm. Use is approximately 60,000 gallons per day. No adverse impacts are expected.

The Kihei-Piilani project is served by two irrigation wells. Both were constructed by the original owner, Blackfield Hawaii. The subject of this submittal (Well No. 4527-08) was drilled in 1990 under a proper permit. The Waiohuli Well (Well No. 4527-12) was originally a graded drainage sump (“dug well”), later formalized with a casing and backfilled surroundings. Upon assuming management responsibilities, Baldwin*Malama initiated an environmental survey and discovered that the dug well had not been registered. At that point it filed an after-the-fact well construction permit application for Well No. 4527-12 (approved July 7, 1996).

The pump in the earlier well (Well No. 4527-08) burned out recently, and the applicant filed for a pump replacement. No original pump installation permit had been issued or approved. Their explanatory letter indicates that the original pump was installed in June 1991. The relevant section of the Water Code (§ 174C-84) states:

"No well construction and no installation of pumps and pumping equipment shall commence without appropriate permit from the commission."

Condition #2 of the well construction permit for this well states:

"The permit shall be for construction and testing only. No permanent pump may be installed and no water taken from the well without the necessary pump installation permit from the Commission."

Approximately two years elapsed between the violation and Baldwin*Malama’s assumption of management responsibility. Baldwin*Malama acquired therewith the predecessor’s violation of the Water Code, but has shown responsible conduct in conducting an environmental survey, while discovering and taking steps to correct the Waiohuli Well (Well No. 4537-12) after-the-fact violation. Baldwin* Malama now requests a proper permit for the after-the-fact violation for the Kihei-Piilani Village Well (Well No. 4527-08).
RECOMMENDATION:

That the Commission:

A. Find that a violation of Water Code § 174C-84 and Well Construction Permit Condition #2 for Well No. 4527-08 occurred on behalf of Piilani Homeowners Association.

B. Assess a fine of $500 for the violation in recommendation A.

C. Approve the After-the-fact Pump Installation Permit for the Kihei-Piilani Village Well (Well No. 4527-08) subject to the standard conditions in Exhibit 5.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Exhibit(s) 1 (Location map)
2 (Well Dimensions from Well Completion Report II)
3 (Letter from applicant)
4 (Department of Health review)
5 (Standard Pump Installation Permit Conditions)
April 3, 1997

Rae M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

RE: After-the-fact Pump Installation Permit Application
Kihei, Maui, Piilani Village Well (Well No. 4527-08)

Dear Deputy Director Loui:

Thank you for acknowledging receipt of our after-the-fact pump installation permit application. Unfortunately, the second paragraph of your letter outlines certain punitive measures which the commission could take with respect to this application. I would like to make an appeal to you and the commission not to impose sanctions.

Piilani Village is a residential and commercial development in Kihei which was first managed by a partnership between Baldwin Pacific Properties, Inc. (BPPI) and Blackfield Hawaii. This partnership was formed in 1989, with Blackfield as the managing partner. Blackfield submitted the original well construction application in November 1989 and it was approved in February 1990.

Later that year, Blackfield Hawaii transferred most of its assets to a partnership known as Ainalani Associates. However, because there were certain objections to Ainalani managing the Piilani Village project, management was finally turned over to BPPI. A pump was installed in June of 1991 and has been operating since that time as the primary source of irrigation water (brackish) for the common areas in Piilani Village. The well and the pump have been deeded to the Piilani Homeowners Association.

In retrospect, it appears that during this change of management, it was assumed that the well construction permit included pump installation, even though the permit document clearly specifies otherwise. There appears to be no reason why anyone would not have followed the permit requirements; they must have simply assumed that the permit requirements had been completed.

In 1993, The Malama Group, a former partner in Ainalani Associates, took over Ainalani’s assets, and in 1994 became the managing partner of Baldwin * Malama, the partnership which owns Piilani Village.
Later in 1994, prior to exercising its option to acquire additional property in Piilani Village, Malama contracted for an environmental survey of that undeveloped acreage. The survey showed the existence of an unregistered well used periodically for dust control and fire protection. Malama immediately took steps to register that well to be in compliance with Water Commission regulations. This was the first after-the-fact permit referred to in your letter of March 12. Please note that Malama had only a passing awareness that the well existed and we were not aware that it did not have a permit. When we learned that it was not in compliance, we immediately took steps to register that well.

Similarly, we were unaware that a permit was not obtained in 1990 for the irrigation well. When the pump burned out recently, we replaced it and, in accordance with Commission rules, filed an application for pump replacement in a timely manner. Unfortunately, we then discovered that the original pump did not have a permit. We hope to rectify that situation with this current application.

In summary, I would like to emphasize that Malama is using its best efforts to be a law abiding corporate citizen by voluntarily bringing non-permitted conditions into compliance. We recognize that these situations should not have occurred in the first place, but the remedies available to us now must focus on future compliance. We request that you waive any sanctions and approve the pump installation permit so that this existing condition will also be brought into compliance.

Very truly yours,

On Behalf of
PIILANI HOMEOWNERS ASSOCIATION (Applicant)
BALDWIN * MALAMA, a Hawaii Partnership
By Malama Development Corp
Its General Partner

Robert G. Diffley
President

c: Charley Ice
April 3, 1997

Rae M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

RE: After-the-fact Pump Installation Permit Application
Kihei, Maui, Pillani Village Well (Well No. 4527-08)

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Later that year, Blackfield Hawaii transferred most of its assets to a partnership known as Ainalani Associates. However, because there were certain objections to Ainalani managing the Pillani Village project, management was finally turned over to BPPI. A pump was installed in June of 1991 and has been operating since that time as the primary source of irrigation water (brackish) for the common areas in Pillani Village. The well and the pump have been deeded to the Pillani Homeowners Association.

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In 1993, The Malama Group, a former partner in Ainalani Associates, took over Ainalani's assets, and in 1994 became the managing partner of Baldwin * Malama, the partnership which owns Pillani Village.
Later in 1994, prior to exercising its option to acquire additional property in Piilani Village, Malama contracted for an environmental survey of that undeveloped acreage. The survey showed the existence of an unregistered well used periodically for dust control and fire protection. Malama immediately took steps to register that well to be in compliance with Water Commission regulations. This was the first after-the-fact permit referred to in your letter of March 12. Please note that Malama had only a passing awareness that the well existed and we were not aware that it did not have a permit. When we learned that it was not in compliance, we immediately took steps to register that well.

Similarly, we were unaware that a permit was not obtained in 1990 for the irrigation well. When the pump burned out recently, we replaced it and, in accordance with Commission rules, filed an application for pump replacement in a timely manner. Unfortunately, we then discovered that the original pump did not have a permit. We hope to rectify that situation with this current application.

In summary, I would like to emphasize that Malama is using its best efforts to be a law abiding corporate citizen by voluntarily bringing non-permitted conditions into compliance. We recognize that these situations should not have occurred in the first place, but the remedies available to us now must focus on future compliance. We request that you waive any sanctions and approve the pump installation permit so that this existing condition will also be brought into compliance.

Very truly yours,

On Behalf of
PIILANI HOMEOWNERS ASSOCIATION (Applicant)
BALDWIN * MALAMA, a Hawaii Partnership
By Malama Development Corp
Its General Partner

Robert G. Diffley
President

c: Charley Ic
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 Resource Management

SUBJECT: After-the-fact Pump Installation Permit Application
Kihei-Piilani Village Well (Well No. 4257-08)

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 March 26, 1997.

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:

[ ] This well qualifies as a source for serving a public water system (serving 25 or more people 60 days per year or 15 or more service connections) and must comply with Department of Health, Safe Drinking Water Branch, Chapter 20, HAR (Potable Water Systems).

[ ] This well does not qualify as a source serving a public system (<25 people or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter.

[ ] If potable water is used to supply both domestic and irrigation purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Routine testing of the backflow preventer devices may be required.

[ ] For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

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

No IWS records; no record of possible contamination sources.

Contact Person: Lori N. Kajiwara
Phone: 5864294
Signed: Lori N. Kajiwara
Date: 3/14/97

EXHIBIT 4
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 Resource Management

SUBJECT: After-the-fact Pump Installation Permit Application
          Kihei-Piilani Village Well (Well No. 4527-08)

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 March 26, 1997.

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:

This well qualifies as a source for serving a public water system (serving 25 or more people 60 days per year or 15 or
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or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent
inadvertent consumption of non-potable water. Routine testing of the backflow preventer devices may be required.

For the applicant's information, a source of possible wastewater contamination is located near the proposed well site
(information attached).

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

Contact Person: Bill Wong

Signed: Bill Wong

Phone: 586-0258

Date: 3/19/97
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 Resource Management  

SUBJECT: After-the-fact Pump Installation Permit Application  
Kihei-Piilani Village Well (Well No. 4527-08)  

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 March 26, 1997.

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.

Cl: ss  
Attachment(s)  

RESPONSE:

[ ] This well qualifies as a source for serving a public water system (serving 25 or more people 60 days per year or 15 or more service connections) and must comply with Department of Health, Safe Drinking Water Branch, Chapter 20, HAR (Potable Water Systems).

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[ ] For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

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

Contact Person: ______________________ Phone: ________________  
Signed: ______________________________ Date: ________________
Mr. Robert Diffley
Pilani Homeowners Association
c/o Baldwin-Malama
915 Fort Street, Suite 702
Honolulu, HI 96813

Dear Mr. Diffley:

After-the-fact Pump Installation Permit Application
Kihei-Pilani Village Well (Well No. 4527-08)

We acknowledge receipt, on February 25, 1997, of your completed after-the-fact pump installation permit application for the Kihei-Pilani Village Well (Well No. 4527-08). You can expect your application to be processed within ninety (90) days from this date.

The Well Completion Report you submitted (Part II - Pump Installation) indicates a January 16, 1997 installation date. After-the-fact applications are subject to fines of up to $1000 per day. Please note Condition #2 of your Well Construction Permit (copy attached), which specifically prohibited permanent pump installation prior to receiving a pump installation permit. Our records show this is the second after-the-fact permit sought for this project -- Well No. 4527-12 was granted such a permit for well construction and pump installation on July 14, 1994. There are 90 days between the pump installation date and the first opportunity for the Commission to approve a permit.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Cl:ss
Attachment
<table>
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<tr>
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<th>AMOUNT</th>
<th>DEDUCTION</th>
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</table>

**TOTALS**: 25.00

---

Baldwin Malama

C/O Malama Development Corp.
915 Fort Street, 7th Floor
Honolulu, Hawaii 96813

Pay to the order of

Dept. of Land and Natural Resources

$25.00

---

Date: 18-FEB-97

Remarks: Line (1) Well 4537-08 (Field)

---

Date: 3/11/97
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 Resource Management

SUBJECT: After-the-fact Pump Installation Permit Application  
Kibei-Piilani Village Well (Well No. 4527-08)

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 March 26, 1997.

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.

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This well qualifies as a source for serving a public water system (serving 25 or more people 60 days per year or 15 or more service connections) and must comply with Department of Health, Safe Drinking Water Branch, Chapter 20, HAR (Potable Water Systems).

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For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

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

NO IMS RECORDS OR NO RECORD OF POSSIBLE CONTAMINATION SOURCES.

Contact Person: Len N. Kajimura  
Phone: 586-4294

Signed: Len N. Kajimura  
Date: 3/14/97

EXHIBIT 4
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 Resource Management

SUBJECT: After-the-fact Pump Installation Permit Application
Kihei-Pili Village Well (Well No. 4527-08)

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 March 26, 1997.

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:

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[ ] For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

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

Contact Person: Bill Wong
Phone: 5869228

Signed: Bill Wong
Date: 3/19/97
PART II.
(PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: PACIFIC ELECTRO MECHANICAL, INC.
21. Name of person performing work: JASON DAGENHARDT
22. Date Pump Installation Completed: JANUARY 16, 1997
23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: GRUNDFOS SUBMERSIBLE
   Capacity: 40 gpm
   Motor type, H.P., Voltage, rpm: SUBMERSIBLE FRANKLIN SHP 230V 1HP 113500 RPM
   Depth of Pump Intake Setting: 50 ft. below BASE, which elevation is 41 ft.
   Depth to bottom of Aline: 50 ft. below BASE, which elevation is 41 ft.
   Pumping Head is 200 ft. Type of flow meter: POS. DISP. which measures in GALLONS
24. As-built drawings attached: Yes _No
25. Other remarks/comments: (See below)

<table>
<thead>
<tr>
<th>Pump Installation Contractor (print)</th>
<th>ROSCOE MOSS-HAWAII</th>
<th>C-67 Uc. No.</th>
<th>C-1643</th>
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<tbody>
<tr>
<td>Signature</td>
<td>William Moss</td>
<td>Date</td>
<td></td>
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<tr>
<td>Applicant (print)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Signature</td>
<td></td>
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8. (cont'd) DRILLER'S LOG (cont'd):

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<th>Rock Description, Remarks,</th>
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<th>Depth (ft.)</th>
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10 & 25. Remarks:


EXHIBIT 2
2" G.I. PIPE, NPT, LENGTH AS REQUIRED
2" 90° BEND, NPT
PUMP CONTROL BOX
1" PVC, SCH 80, (TYP.)
1" UNION
UNION, SIZE TO MATCH AMTROL TANK INTAKE PIPE
PIPE DIA. TO MATCH AMTROL TANK INTAKE PIPE
PRESSURE TANK, AMTROL Mx-405 TANK

Provide 3/4" DIA. WELL VENT
Provide 2" Flange Connection
Provide Submersible Surface Plate Assembly:
Incl. Base Size to Match Casing Diameter, Min. 3/4" Thick.
Provide Min. 4-1/2" Anchor Bolts to the Slab.
Center Plate on Well. Include Long Radius Discharge Elbow.
Verify Casing Diameter

Existing Grout
1" PVC RETURN LINE, SCH 80
STRAP TO PIPE COLUMN
WITH S.S. STRAP, 8" O.C.
2" G.I. PIPE COLUMN
SCH 40.

Provide Grundfos Stainless Steel Submersible Pump Model SPB-12, 5 HP, 240V, 1PH
60 Hz, to be Destaged to 10 Stages and
Provide 225' FT IDM @ 40 GPM, 1 Column Check Valve.

Bottom Casing (-14.3 FT.)

WELL SECTION
NOT TO SCALE

"RECORD DRAWINGS"
These 'RECORD DRAWINGS' have been prepared on the
basis of information compiled and furnished by others
on November 15, 1991. The Engineer shall not be
responsible for any errors or omissions which have
been incorporated into these drawings as a result.
April 3, 1997

Rac M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

RE:  After-the-fact Pump Installation Permit Application
Kihei, Maui, Pillani Village Well (Well No. 4527-08)

Dear Deputy Director Loui:

Thank you for acknowledging receipt of our after-the-fact pump installation permit application. Unfortunately, the second paragraph of your letter outlines certain punitive measures which the commission could take with respect to this application. I would like to make an appeal to you and the commission not to impose sanctions.

Pillani Village is a residential and commercial development in Kihei which was first managed by a partnership between Baldwin Pacific Properties, Inc. (BPPI) and Blackfield Hawaii. This partnership was formed in 1989, with Blackfield as the managing partner. Blackfield submitted the original well construction application in November 1989 and it was approved in February 1990.

Later that year, Blackfield Hawaii transferred most of its assets to a partnership known as Ainalani Associates. However, because there were certain objections to Ainalani managing the Pillani Village project, management was finally turned over to BPPI. A pump was installed in June of 1991 and has been operating since that time as the primary source of irrigation water (brackish) for the common areas in Pillani Village. The well and the pump have been deeded to the Pillani Homeowners Association.

In retrospect, it appears that during this change of management, it was assumed that the well construction permit included pump installation, even though the permit document clearly specifies otherwise. There appears to be no reason why anyone would not have followed the permit requirements; they must have simply assumed that the permit requirements had been completed.

In 1993, The Malama Group, a former partner in Ainalani Associates, took over Ainalani's assets, and in 1994 became the managing partner of Baldwin * Malama, the partnership which owns Pillani Village.
Later in 1994, prior to exercising its option to acquire additional property in Piilani Village, Malama contracted for an environmental survey of that undeveloped acreage. The survey showed the existence of an unregistered well used periodically for dust control and fire protection. Malama immediately took steps to register that well to be in compliance with Water Commission regulations. This was the first after-the-fact permit referred to in your letter of March 12. Please note that Malama had only a passing awareness that the well existed and we were not aware that it did not have a permit. When we learned that it was not in compliance, we immediately took steps to register that well.

Similarly, we were unaware that a permit was not obtained in 1990 for the irrigation well. When the pump burned out recently, we replaced it and, in accordance with Commission rules, filed an application for pump replacement in a timely manner. Unfortunately, we then discovered that the original pump did not have a permit. We hope to rectify that situation with this current application.

In summary, I would like to emphasize that Malama is using its best efforts to be a law abiding corporate citizen by voluntarily bringing non-permitted conditions into compliance. We recognize that these situations should not have occurred in the first place, but the remedies available to us now must focus on future compliance. We request that you waive any sanctions and approve the pump installation permit so that this existing condition will also be brought into compliance.

Very truly yours,

On Behalf of
PIILANI HOMEOWNERS ASSOCIATION (Applicant)
BALDWIN * MALAMA, a Hawaii Partnership
By Malama Development Corp
Its General Partner

Robert G. Diffley
President

c: Charley Ice
FROM: Charley
DATE: 5 March 97
SUSPENSE DATE: 

TO: BAUER, G.
     CHING, F.
     FUJII, N.
     HARDY, R.
     HIC, C.
     IMATA, R.
     JINNAI, R.
     KUNIMURA, I.

INIT: 3
     NAKAMA, L.
     NAKANO, D.
     OHYE, M.
     SAKODA, E.
     SUBIA, S.
     SWANSON, S.
     UWAI, J.
     YODA, K.

INIT: 3

FOR: Approval
     Signature
     Information

PLEASE: See Me
        Review & Comment
        Take Action
        Type Draft
        Type Final
        File
        Xerox ___ copies

F: PHILANI.

Note copy of att-f WCPI Permit for 4527-02 = no WCR requirement!

NC permit. If this is 2nd, ATT application we should take to court for action
and fines.

10 Mar 97: submission to come...
APPLICATION FOR PERMIT

APPLICANT: (circle primary contact a, b, or c) Primary Fax: 539-7176

(a) WELL OWNER: Piilani Homeowners Assn.
   c/o Baldwin * Malama
   Attention: Robert Diffley Ph: 539-7175
   Address: 915 Fort Street, Ste. 702
   Honolulu, HI 96813

(b) LANDOWNER: OluMan Property Mgt.
   Attn: Wllrln ph
   Address: ___ __________

(c) CONTRACTOR
   Firm/Name __________________________________________
   Ph: __________________________
   Contact Person __________________________

Date Accepted: __________________________

Instructions: Please print

RESOURCE MANAGEMENT P.O. Box 621, Honolulu, Hawaii 98809.

Attach the following

- a 7.5-Minute Series USGS topographic map (scale 1"=24,000)
- a property tax map, showing well location established to 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
   - 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: 40 gallons per minute
   Motor:
   - Deep Well Turbine
   - Rotary
   - Propeller
   - Diesel
   - Submersible
   - Rotary-Displacement
   - Reciprocating
   - Gas
   - Centrifugal
   - Rotary-Gear
   - Impulse
   - Electric, rated horsepower:
   - If Pump Replacement, Existing Pump Capacity: 60,000 gallons per minute

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Domestic (individual, noncommercial water sys.)
   - Dwelling Units
   - Irrigation (crop)
   - Landscaping
   - Acres
   - Other:
   - Military

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 60,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      - Flow meter
      - Open-pipe
      - Onsite Plate
      - Weir

7. PENDING ACTIONS:
   - CDUA
   - SMA
   - EIS
   - EA
   - NOE
   - Other(explain)
   - Completion Date: __________________________

8. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back)

(See Replacement Pump Installation Report)

Owner: __________________________
Landowner: __________________________
Contractor: __________________________

By: Robert W. Diffley, Director __________________________
   By: Robert W. Diffley, Director __________________________
   By: Roscoe Moss-Hawaii __________________________

For Official Use Only:

Date Received __________________________
Date Accepted __________________________
Field Checked By __________________________
Date __________________________
Longitude __________________________
Aquifer System Name __________________________
Latitude __________________________
State Well No. __________________________

3 Jan '97 WCRA Form
8. Remarks, Explanations (cont’d):

EXISTING

9. PROPOSED WELL SECTION

Elevation at top of casing
43 ft., msl.

Cement Grout: 30 ft.

Rock Packing: 25 ft.

Hole Diameter: 17 in.

Total Depth: 66 ft.

Ground Elevation: 41 ft., msl

Solid Casing:
Material: Steel (ASTM A242)
Length: 36 ft.
Diameter: 10 in.
Wall thickness: 0.3125 in.

Casing: □ Perforated □ Screen
Material: Steel (ASTM A242)
Length: 30 ft.
Diameter: 10 in.
Wall thickness: 0.3125 in.
Openings: 30 sq. in.A.F.

Open Hole:
Length: 10 ft.
Diameter: 8 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.
# WELL COMPLETION REPORT

1/23/97 WCR Form

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

Well Completion Report 1123/97 WCR Form

### Instructions:
Please print or type and submit completed report within 30 days after well completion to the Commission on Water Resource Management, P.O. Box 521, 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 808-587-0225, or 1-800-468-4644 Extension 70225.

1. State Well No.: 4527-08
2. Well Name: Kihei-Piliulani Village Well
3. Island: Maui
4. Locale/District: Waiohuli Kai, Kihei
5. Tax Map Key: 2-2-25:109

### PART I. WELL CONSTRUCTION REPORT

6. Drilling Company:

7. Name of driller who performed work:

8. Type of rig/construction:

9. Date(s) Well Construction and pump tests (if any) completed:

10. GROUND ELEVATION (referenced to mean sea level, msl):

   Well Bench Mark (description/location):

   Elevation (msl):

11. 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.)

12. Total depth of well below ground:

13. 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

14. 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:

15. Annulus:

   Grouted from_______ft. below ground to_______ft. below ground

   Gravel packed from_______ft. below ground to_______ft. below ground

16. Initial water level:

17. Initial temperature:

18. PUMPING TESTS: Reference Point (R.P.) used:

   (a) Step-Drawdown Test Date

   Start water level _________ft. below R.P.

   End water level _________ft. below R.P.

   (b) Long-term Aquifer Test Date

   Start water level _________ft. below R.P.

   End water level _________ft. below R.P.

20. Attach: (a) As-built drawings.

   (b) Surveyed Location

   (c) Long-Term Continuous Aquifer Pump Test Data & graphs.

   (d) Surveyed Elevation

21. 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 ____________
PART II. PERMANENT PUMP INSTALLATION REPORT

20. Pump Installation Company: PACIFIC ELECTRO MECHANICAL, INC.
21. Name of person performing work: JASON DAGENHARDT
22. Date Pump Installation Completed: JANUARY 16, 1997
23. PUMP INSTALLATION:

- Pump Type, Make, Serial No.: GRUNDFOS SUBMERSIBLE
- Capacity: 40 gpm
- Motor type, H.P., Voltage, rpm: SUBMERSIBLE FRANKLIN SHP 230V 103500 RPM
- Depth of Pump Intake Setting: 50 ft. below BASE, which elevation is 41 ft.
- Depth to bottom of airplane: 50 ft. below BASE, which elevation is 41 ft.
- Pumping Head is 200 ft. Type of flow meter: POS. DISP. which measures in GALS

24. As-built drawings attached: Yes X No
25. Other remarks/comments: (See below)

Pump Installation Contractor (print): ROSCOE MESS-HAWAII C-57 Lic. No. C-16437
Signature: __________________________ Date: __________
Applicant (print): __________________________ Date: __________

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

<table>
<thead>
<tr>
<th>Water Level Dates (ft.)</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks,</th>
<th>Water Level Dates (ft.)</th>
</tr>
</thead>
<tbody>
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(Replacement)
# WELL COMPLETION REPORT

3/20/96 WCR Form

**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, msd): ft. 
   Well Bench Mark (description/location):  
   Elevation(msd):  

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

   Depths (ft.)  Rock Description, Water Level, Dates, etc.  
   to  
   to  
   to  
   (If more space is needed, continue on back.)

9. Total depth of well below ground: ft. 

10. Hole size:  
    
    
    
    

11. Casing installed:  
    Casing Material/Slot Size: 

12. Annulus:  
    Grouted from  
    Gravel packed from  

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  
    (2) Long-term Aquifer Test Date  
    Start water level  
    End water level  
    Start water level  
    End water level  

17. Aquifer Pump Test Procedures data & graphs (1996 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
2" G.I. PIPE. NPT. LENGTH AS REQUIRED
2" 90' BEND. NPT
PUMP CONTROL BOX
1" PVC, SCH 80, (TYP.)
1" UNION
UNION. SIZE TO MATCH AMTROL TANK INTAKE PIPE
PIPE DIA. TO MATCH AMTROL TANK INTAKE PIPE
PRESSURE TANK, AMTROL WX-405 TANK

PROVIDE 2" FLANGE CONNECTION
FOR CONTINUATION
SEE PLAN

PROVIDE 3/4" DIA. WELL VENT

PROVIDE SUBMERSIBLE SURFACE PLATE ASSEMBLY:
INCL BASE SIZE TO MATCH CASING DIAMETER, MIN. 3/4" THICK,
PROVIDE MIN. 4-1/2" ANCHOR BOLTS TO THE SLAB,
CENTER PLATE ON WELL. INCLUDE LONG RADIUS DISCHARGE ELBOW.

TOP OF SLAB = 41.25

VERIFY CASING DIAMETER

EXISTING GROUT

1" PVC RETURN LINE. SCH 80
STRAP TO PIPE COLUMN
WITH S.S. STRAP @ 9' O.C.

2" G.I. PIPE COLUMN
SCH 40.

PROVIDE GRUNDFOS STAINLESS STEEL SUBMERSIBLE PUMP MODEL SP8-12, 5 HP, 240V, 1PH,
60 HZ. TO BE DESTAGED TO 10 STAGES AND PROVIDE 225' FT. TDH @ 40 GPM, 1
COLUMN CHECK VALVE.

BOTTOM CASING (-14.3 FT.)

BOTTOM OPEN HOLE (-24.3 FT.)

WELL SECTION
WELL NO. 4927-08 KIHEI-PILANI

NOT TO SCALE

RECORD DRAWINGS

THESE "RECORD DRAWINGS" HAVE BEEN PREPARED ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS.
ON NOVEMBER 15, 1991, "THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT, AS A RESULT,"
PUMP INSTALLATION PERMIT

Kihei-Piilani Village Well, Well No. 4527-08

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 Kihei-Piilani Village Well (Well No. 4527-08) at Walohuli Kal, Kihei, Maui, TMK 2-2-26108 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 40 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: ___________________________  Expiration Date: ___________________________

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. 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 c:

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

EXHIBIT 5
AFTER-THE-FACT
WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT
for
Waiohuli I Well
(Well No. 4527-12)
Waiohuli, Maui

TO: Baldwin*Malama
915 Fort Street, Suite 702
Honolulu, HI 96813

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your after-the-fact application to construct, test, and install a pump in Waiohuli I Well (Well No. 4527-12), is approved subject to the following conditions:

1. The permit shall be for after-the-fact construction, testing, and installation of a 600 gpm capacity pump in the well.

2. 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 from the well could be reduced by the Commission in the future. This is not a commitment that the pump capacity permitted here or a lesser amount is guaranteed in the future.

3. The applicant shall comply with all applicable laws, rules, and regulations.

4. The applicant shall provide and maintain an approved meter 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.
5. The permit application and staff submittal approved by the Commission at its June 15, 1994 meeting are incorporated into the permit by reference.

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

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 7 1994
Date of Issuance

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: 7/14/94

Printed Name: Robert G. Diffley, President
Firm or Title: Malama Development Corp., General Partner

Baldwin * Malama

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

cc: USGS
Department of Health
   Safe Drinking Water Branch
   Ground Water Protection Program
   Wastewater Branch
   Maui Department of Water Supply
   Goodfellow Brothers, Inc.
FAX COMMUNICATION

DATE: APRIL 5, 1991

TO: ED SAKODIA

COMPANY: STATE OF HAWAII - HEALTH

FAX NO.: 1-546-6052

FROM: LOU BLAZIC

DEPT.: DAVID PICO

FAX NO.: (808) 874-8021

WE ARE TRANSMITTING 8 PAGES (INCLUDING THIS COVER LETTER).

SUBJECT: KUAI - PILANI WELL 4257-08
KUAI-MAUI RAT WELL 4426-03

MESSAGE: HERETHWITH - WELL COMPLETION REPORTS ON BOTH SUBJECT. AS BUILT CROSS SECTIONS OF BOTH LOCATIONS IN BOTH INCLUDING LOCATION & CONTRACTOR. WELL DISCUSSED IN OUR LAST PHONE CONVERSATION. PLEASE CALL IF MORE INFO REQUIRED - FOR ANALYSIS ON #4257-03. THANKS

CONTACT TOM NANCE - HONOLULU LOU

State of Hawaii
Commission on Water Resource Management
Division of Water Resources Management

WELL COMPLETION REPORT

INSTRUCTIONS: Please print or type all pages and send completed report within 30 days of well completion to the Division of Water & Land Development, P.O. Box 893, Honolulu, HI 96815. An as-built drawing of the well and chemical analysis, if available, should also be submitted. If necessary, phone 548-1543, Hydrology, Geology Section for assistance. 4527-08

A. STATEWELL NO. 4527-08 WELL NAME KUAI - PILANI ISLAND MAUI
B. LOCATION PIIHAI, HAWAII AT WAILUKU TAX MAP KEY 2-2-42142 (PORTION)
C. WELL OWNER BALDWIN & HEWETT
D. DRILLING OR PUMP INSTALLATION CONTRACTOR DAVID PICO CESSPOOL DIGGING
E. TYPE OF JOB ERECTION - PATRY DRILLER DAVID PICO
F. DATE OF WELL COMPLETION 5/1/90 DATE OF PUMP INSTALLATION NOT INSTALLED
G. GROUND ELEVATION (feet) 45.75' H.
<table>
<thead>
<tr>
<th>Date of Well Completion:</th>
<th>Date of Pump Installation:</th>
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<tbody>
<tr>
<td>11/6/90</td>
<td>Extended Page: 11</td>
</tr>
</tbody>
</table>

**G. Ground Elevation:**
Top of Drilling Platform (ceiling) 26 ft.

**H. Total Depth of Well Below Ground:** 66 ft.

**I. Hole Size:**
14 in. dia. from 0 ft. to 56 ft. below ground
16 in. dia. from 56 ft. to 66 ft. below ground

**J. Casing Installed:**
10 in. I.D. x 1/2 in. wall solid section to 38 ft. below ground
12 in. I.D. x 1/2 in. wall perforated section to 66 ft. below ground

**K. Annulus:**
Gravel packed from 0 ft. to 56 ft. below ground

**L. Permanent Pump Installation:**
- **Type of pump:**
  - **Make, serial No.:**
  - **Capacity:**
  - **Efficiency:**

**M. Proposed Use:**
1.3 B.G.P.

**N. Initial Water Level:** 27 ft. below ground.

**O. Initial Chloride:** 27 ppm.

**P. Pumping Tests:**
- **Reference point (R.P.) used:**
- **Start water level:** 35 ft. below R.P.
- **End water level:** 72 ft. below R.P.
- **Depth of well:** 80 ft. below R.P.

**Q. Driller’s Log:**

**Depth:**
0.0 to 12 ft.
12 to 17 ft.
17 to 22 ft.
22 to 27 ft.
27 to 32 ft.
32 to 37 ft.
37 to 42 ft.
42 to 47 ft.
47 to 52 ft.
52 to 56 ft.
56 to 60 ft.
60 to 66 ft.

**Rock Description & Remarks:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Water Level</th>
<th>Rock Description &amp; Remarks</th>
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</table>

**R. Reels:**

**S. Type of Rig:**

**T. Date of Well Completion:** 11/6/90

**U. Date of Pump Installation:**

Submitted by (print): Law Blazic  Title: R.M.E. DAVIN ROG
Signature: Law Blazic  Date: MAY 16, 1990

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
Division of Water Resources Management

WELL COMPLETION REPORT

INSTRUCTIONS: Please print or type and submit completed report within 30 days of well completion to the Division of Water & Land Development, P.O. Box 973, Honolulu, HI 96810. An as-built drawing of the well and chemical analysis, if available, should also be submitted. If necessary, phone 808-1417, Hydrology, Geology Section for assistance.

A. State Well No.: 4426-03  Well Name: KIHEI-MALAI RAIN ISLAND MALAI
B. Location: KIHEI  TAH MAP REF: 2-2-02: SUBLOT
C. Well Owner: MAUI RAIN BROTHERS (120 KALAMA ST, KAHULUI, HI 96732
D. Drilling or Pump Installation Contractor: DAVID PACES ENTERPRISE DIGGERS
E. Type of Rig: TAILING ROTARY DRILLER DAVID PACES
PIHAI IRRIGATION WELL

- Top of Solid Casing: 5 feet above ground
- Existing Casing: 83 feet solid casing
- Temporary Camp Conductor Pipe to be removed prior to grouting the annulus
- Place grout in the annular space up to ground surface
- 2 feet of fine gravel/crushed sand above cement blanket
- Cement Blanket (commercially made or fabricated) 20 feet below ground
- Bottom of solid casing, top of perforated casing, 30 feet below ground
- Approximate groundwater level
- 13-inch diameter drill hole
- Casing open at bottom
- Cutting at bottom of hole to be grouted to 66-feet drilled hole depth
- 8-inch diameter hole from 56 to 66 feet

Section thru well

Not to scale

Took hence 5/3/00
# WELL COMPLETION REPORT

**INSTRUCTIONS:** Please print or type and submit completed report within 30 days of well completion to the Division of Water & Land Development, P.O. Box 373, Honolulu, HI 96809. An as-built drawing of the well and chemical analysis, if available, should also be submitted. If necessary, phone 548-7543, Hydrology, Geology Section for assistance.

**A. STATE WELL NO.** 4527-08  
**WELL NAME** KILHEI-PILLANAI ISLAND MAUI

**B. LOCATION** PILANI HWY AT WIALU PILANI GOLF COURSE MAP KEY 2-2-02-47 (PORTION)

**C. WELL OWNER** BALDWIN * PILANIA

**D. DRILLING OR PUMP INSTALLATION CONTRACTOR** DAVID ACO (CPS) D March Digg

**E. TYPE OF ROCK** FAILING - ROTARY DRILLER DAVID ACO

**F. DATE OF WELL COMPLETION** 5/1/90  
**DATE OF PUMP INSTALLATION** NOT INSTALLED

**G. GROUND ELEVATION** (m) 35.15 ft.  
Top of Drilling Platform (m) 37 ft.  
Height of drilling platform above ground surface 1.75 ft.  
Bench mark and method used to determine ground elevation __________ ft.

**H. TOTAL DEPTH OF WELL BELOW GROUND** 46 ft.

**I. HOLE SIZE:**  
14 in. dia. from 0 ft. to 56 ft. below ground  
14 in. dia. from 56 ft. to 68 ft. below ground

**J. CASING INSTALLED:**  
10 in. I.D. x 0.25 in. wall solid section to 38 ft. below ground  
10 in. I.D. x 0.25 in. wall perforated section to 53 ft. below ground  
Type of perforation ___________

**K. ANNULUS:**  
Grouted from 0 ft. to 30 ft. below ground
Gravel packed from 30 ft. to 56 ft. below ground

**L. PERMANENT PUMP INSTALLATION:**  
**Not Yet Installed**  
Capacity ___________ gpm

**M. PROPOSED USE**  
**Irrigation**

**N. INITIAL WATER LEVEL** 35 ft. below ground.  
Date and time of measurement 4/26/90 10:00 A

**O. INITIAL CHLORIDE** 27 ppm.  
Date and time of sampling 4/26/90 10:00 A

**P. PUMPING TESTS:** Reference point (R.P.) used: Plumb which elevation is 37 ft.

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<thead>
<tr>
<th>Depth (ft.)</th>
<th>Start water level to ft. below R.P.</th>
<th>End water level to ft. below R.P.</th>
<th>Depth of well to ft. below R.P.</th>
<th>Capacity (gpm)</th>
<th>Rate (gpm)</th>
<th>Draw (ft./h)</th>
<th>Cl (ppm)</th>
<th>Temp. (F)</th>
<th>Elapsed time (hours)</th>
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<td>63.0 to 65.0</td>
<td>63.0 to 65.0</td>
<td>63.0 to 65.0</td>
<td>6.2</td>
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<td>0.630 to 0.650</td>
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**Q. DRILLER'S LOG:**

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<th>Depth (ft.)</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level (ft.)</th>
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<td>GREEN BILLY SAND-CLAY</td>
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<td>18 to 52</td>
<td>HARD GREY BASALT</td>
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<td>0 to 17</td>
<td>GREEN BILLY SAND-CLAY</td>
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<td>53 to 106</td>
<td>GREEN BASALT</td>
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<td>18 to 52</td>
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<td>RAISED LAVA</td>
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<td>121 to 123</td>
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**REMARKS:**

Submitted by (print) Loo D. L. Title R.M.E. DRILLER ACO

Signature

WELL NO. 4527-08
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM:  
DATE:  
SUSPENSE DATE:  

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<th>INIT.</th>
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<th>FOR</th>
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<td>BAUER, G.</td>
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<td>4 LOUI, R.</td>
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<td>4 Approval</td>
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<td>CHING, F.</td>
<td></td>
<td>4 NAKAMA, L.</td>
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<td>4 Signature</td>
<td>___ Review &amp; Comment</td>
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<td>FUJII, N.</td>
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<td>4 NAKANO, D.</td>
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<td>___ Knowledge</td>
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<td>3 SAKODA, E.</td>
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<td>1 YODA, K.</td>
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</tbody>
</table>

4527-08 (who has record of PIP? not in file)

-> 4527-12: original PIP expired on 7/1/96 (much pls update .dbf)

Since pump installed 1/1/97 this is after the fact. Time probably in order.

Charley, please use standard language from SWARMS.pds - thanks.
TO: Blackfield Hawaii Corp. and Baldwin-Pacific Corp.  
1221 Kapiolani Blvd., Suite 700  
Honolulu, Hawaii 96814

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 and test Well No. 4257-08 within Tax Map Key: 2-2-02:42 for landscape irrigation use is approved subject to the following conditions:

1. The Division of Water and Land Development (DOWALD), Geology-Hydrology Section, shall be notified at 548-7543, before any work covered by this permit commences.

2. The permit shall be for construction and testing only. No permanent pump may be installed and no water used from the well without the necessary pump installation permit from the Commission.

3. The proposed use shall not adversely affect existing legal uses in the area. The Commission may require the applicant to reduce pumpage or discontinue pumping should existing users in the area be adversely affected by the proposed well.

4. The following shall be submitted to DOWALD, P.O. Box 373, Honolulu Hawaii 96809, within 30 days after completion of the well:

   a. Well Completion Report.
WELL CONSTRUCTION PERMIT
Well No. 4257-08

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.

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

6. This permit may be revoked if work is not started within six months of the date of issuance or if work is suspended or abandoned for six months. The work shall be completed within two years of the date of issuance.

FEB 14 1990
Date of Issuance

c: USGS
Department of Health
Drinking Water Branch
Ground Water Protection Program
Maui Department of Water Supply
Tom Nance Water Resources Engineering
January 29, 1990

Blackfield Hawaii Corp. & Baldwin-Pacific Corp.
1221 Kapiolani Blvd., Suite 700
Honolulu, Hawaii 96814

Gentlemen:

The Commission on Water Resource Management will be acting on your permit application for Kihei-Piiilani Irrigation Well at its meeting on January 31, 1990, at 2:00 p.m. in the Kahului Library Conference Room, 90 School Street, Kahului, Maui.

Your application will be included on the agenda as Item 5 (enclosed).

You or your representative are invited to attend the meeting.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:ko
Encl.
December 22, 1989

The Honorable William W. Paty, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Paty:

SUBJECT: WELL CONSTRUCTION PERMIT APPLICATION
KIHEI-PIILANI IRRIGATION WELL
STATE WELL NO. 4527-08
KIHEI, MAUl

Thank you for the opportunity to comment on the well drilling permit for the proposed well. We offer the following comments:

1. Because the proposed well will not be supplying potable water, it will not be subject to the Department's Administrative Rules, Title 11, Chapter 20, "Potable Water Systems".

2. The proposed well lies above the UIC line. Land areas above the UIC line are considered to contain underground sources of drinking water. Thus, it is essential that the proposed well be designed and constructed to prevent the possibility of groundwater contamination. For example, the well should have a concrete well pad and adequate grouting to prevent seepage or floodwaters from migrating down the well shaft.
December 22, 1989

Should you have any questions, please contact the Safe Drinking Water Branch at 543-8258.

Very truly yours,

JOHN C. LEWIN, M.D.
Director of Health

cc: James Hoover
Blackfield Hawaii Corp.
Baldwin-Pacific Corp.
1221 Kapiolani Blvd., Suite 700
Honolulu, Hawaii 96814
REF: TL-KC

Honorable John C. Lewin, MD
Director of Health
Department of Health
State of Hawaii
1450 Punchbowl Street
Honolulu, Hawaii 96813

Attn: Mr. Thomas Araiuni, Drinking Water Branch

Dear Mr. Lewin:

Well Construction and Pump Installation Permit Applications

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168-12(c), we are sending you a copy of the following permit applications:

Hakaha Well VI (Well No. 3911-04)
Kawaihae Well 2 (Well No. 6048-01)
Kuli Wells C&D (Well Nos. 6048-04, 05)
Kona-WASECO Well (Well No. 4258-01)
Kaled-Pili Pali Irr. Well (Well No. 4577-08)
Honolulu WWTP Caprock Well (Well No. 1902-03)

Please submit your comments to us, orally or in writing, within three weeks from the date of this letter.

If you have any questions, please contact Manabu Tagomori at 548-7533.

Very truly yours,

WILLIAM W. PATY

Enc.
November 27, 1989

Blackfield Hawaii Corp. & Baldwin-Pacific Corp.
1221 Kapiolani Blvd., Suite 700
Honolulu, Hawaii 96814

Gentlemen:

We acknowledge receipt of your application and $25.00 filing fee for a well construction permit for a well (Well No. 4257-08) at Tax Map Key: 2-2-02:42, near Kihei, Maui.

My staff is processing the application and will contact your staff should there be any questions.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:ko
November 27, 1989

Mr. Vince Bagoyo, Jr., Director
Department of Water Supply
County of Maui
200 S. High Street
Wailuku, Maui, Hawaii 96793

Dear Mr. Bagoyo:

Well Construction Permit Application

We are sending you a copy of the following permit application for your review and comments:

Kihei-Pillani Irr. Well (Well No. 4527-08)

Please submit your comments to us, orally or in writing, within three weeks from the date of this letter.

If you have any questions, please contact Ed Sakoda at 548-7543.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:ko
Enc.
FROM: I.DMS OF WATER RESOURCE MANAGEMENT

DATE: 11/1/88 FILE IN: 4527-08

TO: INITIAL:

PLEASE:

M. TAGOMORI ___ See Me ___ Take Action By ___ Route to Your Branch
D. Lum ___ Review & Comment ___ Draft Reply
G. Matsumoto ___ Acknowledge Receipt ___ Xerox copies
G. Akita ___ File
L. Chang ___ Mail ___ For Information
Y. Shiroma ___ S. Samuels ___ S. Kokubun
E. Sakoda ___ R. Chung ___ D. Hamada
D. Nakano ___ T. Kam ___ L. Nanbu
W. Rozeboom ___ A. Monden ___ F. Ching
P. Haraguchi ___ H. Young ___ 
S. Samuels ___ R. Suzuki ___ 
L. Nanbu ___ T. Nakama ___ 
D. Nakano ___ 

REMARKS:

Kiihe - Piilani Subdive Wall

Rev. 12/88
Mr. William Paty, Chairman
Commission on Water Resource Management
Department of Land & Natural Resources
P. O. Box 373
Honolulu, Hawaii 96809

Dear Mr. Paty:

Drilling Application for a New Brackish Irrigation Well in Kihei, Maui

On behalf of Blackfield Hawaii Corporation and Baldwin-Pacific Corporation, developers of the planned Piilani Subdivision, we are pleased to submit the enclosed well drilling application and $25.00 filing fee. We anticipate that the well will develop brackish water from basal aquifer which exists beneath the project site. Upon its successful development, the well would be used for landscape irrigation at an estimated average rate of 60,000 gallons per day.

Should you have any questions regarding the application or require additional information, please contact me or James Hoover of Blackfield Hawaii Corporation (538-3841).

Sincerely,

Tom Nance

TN:lt

Enclosures

cc: James Hoover
APPLICATION FOR

X WELL CONSTRUCTION PERMIT

PUMP INSTALLATION PERMIT

INSTRUCTIONS: Please print or type and send completed application with attachments to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Department of Land and Natural Resources. Filing fee waived for government agencies. If necessary, phone 548-7543, Hydrology/Geology Section for assistance.

1. WELL LOCATION

Island Maui

Address

(Tax Map Key 2-2-02:42 (Portion

(Attach a USGS map (scale 1"=2000') and property tax map showing well location referenced to established property boundaries.)

2. WELL OWNER

Blackfield Hawaii Corp.

Firm Name Baldwin-Pacific Corp.

Contact Person James Hoover

Address 1221 Kapiolani Blvd, Suite 700

Honolulu, Hawaii 96814

Phone 538-3841

3. PROPOSED CONTRACTOR FOR: ☐ Well Drilling ☐ Pump Installation

Name Will Be Competitively Bid

Address

Contractor's License No.

4. PROPOSED WORK

☐ Drill New Well ☐ Deepen ☐ Redrill

☐ Alter ☐ Seal ☐ Abandon

☐ Install New Pump ☐ Replace Pump ☐ Modify Pump

(Briefly describe the proposed work and fill in the diagram on the back of this form.)

5. PROPOSED USE

☐ Municipal (including hotels, stores, etc.) ☐ Military

☐ Domestic (individual, noncommercial water systems) ☐ Industrial

☐ Irrigation (specify) ☐ Landscaping ☐ Other (specify)

6. PROPOSED AMOUNT OF WITHDRAWAL 60,000 gallons per day (average)

7. PROPOSED PUMP INFORMATION

Pump Type: ☐ Vertical Turbine ☐ Submersible

Motor: ☐ Diesel ☐ Gas ☐ Electric: 15 ☐ Centrifugal

Rated Pump Capacity gallons per minute (gpm)

Well Owner (print) Blackfield Baldwin J-V

Signature Date 11/10/89

Landowner (print) Baldwin Blackfield J-V

Signature Date 11/10/89

For Official Use Only:

Latitude Hydrologic Unit

Longitude State Well No. 4527-08
Briefly describe the proposed work:

Project will consist of the drilling, casing, and pump testing of the well.

Pending satisfactory results, the well would ultimately be used for landscape irrigation.

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PROPOSED SECTION OF WELL

- **Elevation at top of casing**: 38 ft., msl.
- **Cement Grout**: 30 ft.
- **Hole Dia.**: 17 in.
- **Total Depth**: 66 ft.
- **Rock Packing**: 25 ft.
- **Ground Elev.**: 36 ft., msl*

**Solid Casing**
- **Material**: Steel (ASTM A242)
- **Length**: 36 ft.
- **Diameter**: 10 in.
- **Wall thickness**: 0.3125 in.

**Casing: Perforated Screen**
- **Material**: Steel (ASTM A242)
- **Length**: 20 ft.
- **Diameter**: 10 in.
- **Wall thickness**: 0.3125 in.
- **Openings**: 50 sq. in./L.F.

**Open Hole**
- **Length**: 10
- **Diameter**: 8 in.

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*Approximate elevation at time of filing application. Final elevation (msl) by a surveyor licensed by the State must be submitted at start of construction.
PAY \$25.00 TO THE ORDER OF DEPT. OF LAND & NATURAL RESOURCES

BELT COLLINS AND ASSOCIATES

DATE | DESCRIPTION | AMOUNT
--- | --- | ---

Baldwin Pacific Corp. Piilani Well (054.1400) $25.00
Kihei - Piilani Irr. Well (Well No. 4527-08)
KIHEI—PIILANI IRR WELL
(Well No. 4527-08)