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March 22, 2002

Ms. Peggy Conklin
Maui Vista AOAO
2191 South Kihei Road, #2105
Kihei, HI 96753

Dear Ms. Conklin:

Well Completion Report Part 2 (Pump Installation)
Kamaole-Maui Vista Irrigation Well (Well No. 4326-09)

We accept your Well Completion Report Part II for the Kamaole-Maui Vista Irrigation Well (Well No. 4326-09) as of November 6, 2001 and acknowledge that it is complete. This completes the permitting requirements for this well.

If you have any questions, please contact Charley Ice of the Commission staff at 587-0251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai).

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

C: Wailani Drilling, Inc.
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TOTAL 25.00

REMARKS:

LINE (1) WELL NO. 4326-09
LINE (2)
LINE (3)
LINE (4)

![Check Image]

WAILANI DRILLING INC.
PH: (808) 372-2673
665 KULIKE ROAD
HAiku, MAUl, HI 96708

PAY TO THE ORDER OF

Water Resource Commission

Date 5/4/2001

$**25.00 DOLLARS

Water Resource Commission

Permit Application

Signature: Ann Robertson

Date: 3/22/02
**Commission on Water Resource Management**

**FROM:** Charley  
**TO:** INIT. BAUER, G., FUJII, N., OHYE, M., JINNAI, R., IMATA, R., NAKAMA, L., HIGA, D.

**DATE:**  
**SUSPENSE DATE:**

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- **Type Draft**
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**GIM 4326-09, pip. att. sub**

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STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

February 27, 2002
Wailuku, Maui

Maui Vista AOAO and Wailani Drilling Company
APPLICATION FOR AFTER-THE-FACT PUMP INSTALLATION PERMIT
Kamaole-Maui Vista Irrigation Well (Well No. 4326-09)
Well Construction: 6 inches-inch Casing Diameter, 98 feet-ft Deep Well
Pump Installation: 200 gpm at 260 ft head for landscape irrigation use
TMK 3-9-18:3, 2191 South Kihei Road 2105, Maui

APPLICANT: Maui Vista AOAO
2191 South Kihei Road 2105
Kihei, Maui, HI 96753

LANDOWNER: same

DESCRIPTION: Location: (See Exhibit 1)

BACKGROUND:
October 10, 2000 Commission received Well Construction Permit (WCP, Phase 1 of WCPI process) application. The "pump installation permit" box was not checked, the proposed pump information was completed.
October 13, 2000 WCP application accepted as complete, acknowledged as a well construction/pump installation permit application.
November 16, 2000 Well Construction Permit (WCP, Phase 1 of WCPI process) approved, transmitted under that singular title.
February 24, 2001 Well construction completed, according to Well Completion Report Part 1 (WCR1).
April 9, 2001 WCR1 filed, reviewed, and accepted as complete. Pump Installation Permit approved. In filing, staff noted that "pump permit" box was unchecked and no separate Pump Installation Permit (PIP) application was received.
May 1 & 2, 2001 Two conversations to clarify the application intentions of the contractor yielded two different answers: first, that the "pump installation" box of the application should...
Performance Curves 230 GPM Model 2305

FLOW RANGE: 160 - 320 GPM  OUTLET SIZE: 3" NPT  NOMINAL DIA. 6"

Most Efficient Range: 160 to 320 GPM
Capacities below 160 GPM
See Model 1955

Specifications subject to change without notice.
4" MOTOR STANDARD, 7.5 HP/3450 RPM
6" MOTOR STANDARD, 10-60 HP/3450 RPM.
8" MOTOR STANDARD, 75 HP/3525 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 2548 Annex B
8 ft. min. submergence.
1. **Pump Tests Check** (special condition of PIP? Yes/No) 

   **Glenn Bauer**

   (initial if yes)

   **Yes**  **No**  **If no, describe deficiency**

   **Step-Drawdown Test:**

   followed WCPI Stds
   analysis attached
   proposed pump cap o.k.

   **Aquifer Pump Test:**

   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

   2. **Pump Installation Check**  

   **Mitch Olwe**

   (initial)  05/18/01

   **Yes**  **No**  **If no, describe deficiency**

   data complete
   followed WCPI Stds
   well database updated

   **Pump Actually Produces 250 gpm**
   Permit is for 200
   EXPLANATION?

   3. **Charley/Lenore/Ryan**

   (initial)  take action based on above analysis

   4. **Roy**

   (initial) check

   5. **Susan Subia**

   (initial) finalize

   6. **Linnel**

   (initial) signature

   7. **Charley/Lenore/Ryan File**

   *Feltcon 26 May 01 Mike Robertson*  

   *Pump installation more economical*
   once, not twice
   *line-shaft assemblies add*
   $50-80 K to cost
   Cookman well test Fri, June
   2001
Return Receipt Fax Memo

For: Charlie Ice

Charlie. Enclosed are the following items:

- Well Completion Report Part II for Kamaole-Maui Vista
- Final Drawing 05/14/01

Please confirm receipt by checking off the enclosed items and faxing a copy of this memo to me at 808-572-0925.

From: Mike Robertson

Thank you:

Mike Robertson
**State of Hawaii**  
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**Department of Land and Natural Resources**  
**WELL COMPLETION REPORT - PART II**  
**Pump Installation**

Instructions: Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96808. The Commission may not accept incomplete reports. This form shall be submitted within 90 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 808-586-3306. For updates to this form or additional information, please visit our website at http://www.state.hi.us/dlnr/cwrm/

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1. State Well No.: 1876-09</td>
<td>Well Name: KAMALA-VISTA</td>
</tr>
<tr>
<td>2. Address: 241 South Kihei Rd, Kihei, HI 96753</td>
<td>Tax Map Key: 3-9-18:3</td>
</tr>
<tr>
<td>3. Pump Installation Company: Wailani Drilling</td>
<td></td>
</tr>
<tr>
<td>4. Date Pump Installed: 5/10/01 (FINAL)</td>
<td></td>
</tr>
<tr>
<td>5. PERMANENT PUMP INFORMATION</td>
<td></td>
</tr>
<tr>
<td>Pump Type, Make, Serial No.: GRUNDFOS, Submersible, AllDrive</td>
<td>Rated Capacity: 200 gpm</td>
</tr>
<tr>
<td>Motor Type, H.P., Voltage, rpm: Franklin, 20 HP, 208V, 3450 RPM</td>
<td></td>
</tr>
<tr>
<td>Type of flow meter: TheBine which measures in GALLONS/ MINUTE</td>
<td></td>
</tr>
<tr>
<td>6. Method of flow measurement:</td>
<td></td>
</tr>
<tr>
<td>a. Flowmeter</td>
<td>Manufacturer: MICROSWITCH Make: M-3 Size: 3&quot;</td>
</tr>
<tr>
<td>□ Weir □ Open Pipe □ Orifice □ Other*, explain below</td>
<td></td>
</tr>
<tr>
<td>*attach schematic</td>
<td></td>
</tr>
<tr>
<td>7. Fill in the as-built section on the other side of this sheet.</td>
<td></td>
</tr>
<tr>
<td>8. Other remarks/comments:</td>
<td></td>
</tr>
<tr>
<td># RATED @ 200 gpm @ 730 FT of HEAD</td>
<td></td>
</tr>
<tr>
<td>Actual gpm was 200 gpm @ Head (open pipe) entrance</td>
<td></td>
</tr>
<tr>
<td>SET @ 70 FT</td>
<td></td>
</tr>
<tr>
<td>Grundfos (Frank) 1-559-292-8000</td>
<td></td>
</tr>
<tr>
<td>do not make lineshaft pumps</td>
<td></td>
</tr>
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Pump Installation Contractor (print): [Wailani Drilling]
Signature: Mike Robertson
Date: 5/10/01

Permittee (print): [Peter Maunsell, General Manager]
Signature: Peter Maunsell
Date: 5/10/01
9. AS-BUILT PUMP SECTION (Please attach as-built if different from diagram provided below)

Benchmark elevation surveyed to nearest 0.01 ft. = 44.38 ft. mean sea level

Identify reference point elevation for water level measurements through chase tube 44.38 ft. mean sea level

Describe reference point:
"TOP OF SLAB" (BENCHMARK)

Pump intake depth = 70 ft. (referenced to bench mark)

Chase tube depth = 69 ft. (referenced to bench mark)

If airline installed, bottom of airline elevation = \( \sqrt{49} \) ft. mean sea level
Kamaola-Maui Vista Well #4326-09
Final drawing * 05/14/01
Elevation 64.38 ft, m.s.l. @
Bench Mark (Slab)

Pump tested at 250 gpm for 24 hours with maximum drawdown of .90 ft.

*Note: not drawn to scale
### MISSION ON WATER RESOURCE MANAGEMENT
**ROUTE SLIP FOR PERMIT ISSUANCE**

<table>
<thead>
<tr>
<th>FROM: CHARLEY</th>
<th>DATE:</th>
<th>SUSPENSE DATE:</th>
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<tbody>
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<td></td>
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<tr>
<th>TO:</th>
<th>INIT.</th>
<th>TO:</th>
<th>INIT.</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<tbody>
<tr>
<td>BAUER, G.</td>
<td></td>
<td>LUM, A.</td>
<td></td>
<td>3</td>
<td>Approval</td>
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<tr>
<td>CHING, F.</td>
<td></td>
<td>NAKAMA, L.</td>
<td></td>
<td>3</td>
<td>Signature</td>
</tr>
<tr>
<td>FUJII, N.</td>
<td></td>
<td>NAKANO, D.</td>
<td></td>
<td>3</td>
<td>Information</td>
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<tr>
<td>HARDY, R.</td>
<td>1</td>
<td>NISHIOKA, L.</td>
<td>2</td>
<td>1</td>
<td>Review &amp; Comment</td>
</tr>
<tr>
<td>HIGA, D.</td>
<td>2</td>
<td>OHYE, M.</td>
<td>3</td>
<td>1</td>
<td>Take Action</td>
</tr>
<tr>
<td>HIRANO, E.</td>
<td>3</td>
<td>SAKODA, E.</td>
<td>4</td>
<td>2</td>
<td>Type Final</td>
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<tr>
<td>ICE, C.</td>
<td>4</td>
<td>SUBIA, S.</td>
<td>5</td>
<td>5</td>
<td>File</td>
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<tr>
<td>IMATA, R.</td>
<td>5</td>
<td>SWANSON, S.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>JINNAI, R.</td>
<td>2</td>
<td>UYENO, D.</td>
<td></td>
<td></td>
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<tr>
<td>KUNIMURA, I.</td>
<td></td>
<td>YODA, K.</td>
<td></td>
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**WELL NUMBER**

- WELL CONSTRUCTION

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**
1. COVER LETTER
2. PERMIT (2x)
3. PUMP TEST
4. DOH COMMENTS
5. LAND DIV. COMMENTS
6. WCR FORM

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

**PUMP INSTALLATION**

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**
1. COVER LETTER
2. PERMIT (2x)
3. DOH COMMENTS
4. LAND DIV. COMMENTS
5. WCR FORM
6. WUR FORM

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

5/1 telecon w/Bill Steele; forgot to check PIP box
5/2 teleconage; no, didn't forget; expected to wait for. Will send appl. w/check

*Please resubmit application for 250 gpm pump already!*
Return Receipt Fax Memo

For: Charlie Ice

Charlie. Enclosed are the following items:

☑ Well Construction Permit for Honopou-Bathelt (signed)
☑ PIP for Kamaole-Maui Vista (signed)
☑ PIP for Waipio-Hager already in file

Please confirm receipt by checking off the enclosed items and faxing a copy of this memo to me at 808-572-0925.

From: Mike Robertson

Thank you:
Mike Robertson
APPLICANT INFORMATION: If all out of state, if applicable, and place a check next to the primary contact.
1. (a) WELL OWNER: 
   - Mailing Address: 2151 S Kili갯 Rd, Kailua, HI 96734
   - Phone: 875-9180
   - Contact Person: Paygei
   - Email: ________________
(b) LAND OWNER: Same as above
   - Mailing Address: 2151 S Kili갯 Rd, Kailua, HI 96734
   - Contact Person: Paygei
   - Email: ________________
(c) CONTRACTOR: Waiilani Drilling
   - Mailing Address: 2151 S Kili갯 Rd, Kailua, HI 96734
   - Phone: 573-9687
   - Contact Person: Michael
   - Email: ________________

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)
2. WELL NAME: Kili갯 - Mini Vista
   - Island: ____________
   - Address: 2151 S Kili갯 Rd
   - Tax Map Key: ____________
   - Zone: ____________
   - Sec: ____________
   - Acre: ____________
   - Pt: ____________

   Attach the relevant portion of the 7.5-minute series USGS topographic map (o, r 1:24,000) and include the name of the quad map, and (2) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK: 
   (check all that apply)
   - Construct New Well
   - Install New Pump
   - Modify Existing Well
   - Abandon Well
   - ________________
   - State Well No.: ____________
   - (Unknown, please call Commission at 877-6220)

4. CONSTRUCTION: 
   - Drilled
   - Dug
   - Shaft
   - Tunnel

   Is this well part of a battery of wells? Yes ___ No ___

5. PROPOSED PUMP INFORMATION: 
   - Rated Pump Capacity: ____________ gallons per day
   - Pump Type (check one): 
     - Deep Well Turbine
     - rotary
     - Propeller
     - Submersible
     - Rotary-Dipole
     - Impulse
     - Centrifugal
     - Rotary-Gear
     - Electric 20 HP

6. PROPOSED USE: 
   (check all that apply)
   - Municipal (including hotels, stores, etc.): ____________
   - Industrial
   - Domestic (individual, noncommercial water system)
   - Irrigation system
   - Landscaping
   - Forestry
   - Other (explain): ____________

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: ____________ gallons per day
   (b) METHOD OF FLOW MEASUREMENT: 
     - Flowmeter
     - Open Pipe
     - ____________
     - ____________
     - ____________

OTHER IMPORTANT INFORMATION:
8. LEGAL REQUIREMENTS: 
   - CCRP
   - DRAPE
   - ____________
   - ____________
   - Other (explain): ____________

9. REMARKS, EXPLANATIONS: 
   - As proposed, drilling to penetrate through bedrock at sea level, this well could exceed 14 ft. of the tidal range, but former rock must be protected by at least a 60 ft. riser well.
   - If more space is needed, please attach additional sheet.

   ____________________________
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For official use only
Latitude
Longitude
State Well No. 430-09
PUMP INSTALLATION PERMIT
Kamaole-Maui Vista Well, Well No. 4326-99

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-138, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Kamaole-Maui Vista Well (Well No. 4326-99) at 2191 South Kihei Road, Kamaole, Makawao, Maui, TMK 3-9-183, subject to the Hawaii Well Construction & Pump Installation Standards (U253/57) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 821, Honolulu, HI 96809, shall be notified in writing, at least two (2) weeks before any work covered by this permit commences and shall be allowed to inspect installation activities in accordance with §13-109-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 289 gpm capacity, or less, pump in the well.

3. The permittee, well operator, and well owner 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 a monthly (91DD) 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 indoor flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and well owner are notified and by this provision understand that the quality of water taken from the well could be affected 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, well operator, and well owner shall complete and submit as-built drawings and Part II - (Permitted) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and well owner 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 (U253/57). If the HPWC is not followed and an consequence water is wasted or contaminated, a lien on the property may result.

8. The permittee shall be required to show a signed and completed Pump Installation Permit Application within two (2) years from the date of permit approval, unless otherwise specified. The permittee shall be required to show a signed and completed Pump Installation Permit Application within two (2) years from the date of permit approval, unless otherwise specified. The permittee may be contacted 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 thirty (30) days prior to the date the permit expires. If the written notice is not met, the Commission may revoke the permit after giving the permittee, well operator, and well owner 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, well operator, and well owner must apply for a well abandonment permit in accordance with §13-106-720 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 permittee, assignee, operator, 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 transmission letter are incorporated herein by reference.

Date of Approval: April 9, 2001
Expiration Date: April 9, 2003
GILBERT S. COLOMA-AGARAN, 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 conditions of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $10,000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: ___________________________
Printed Name: Peter Manusell Firm or Title: AOA Maui Vista, General Mgr.

Installer's Signature: ___________________________ Date: ___________________________
Printed Name: Millie Robertson Firm or Title: Walter's Dilling

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

Attachments
Charley Ice

From: Charley Ice
Sent: Wednesday, May 02, 2001 11:56 AM
To: Roy Hardy
Subject: Kamalole-Maui Vista

After that rigmarole yesterday, Bill Steele called back today to say he reviewed the file and "corrected his recollections" -- they did not check the PI box because of the large pump size -- wanted to "wait and see". My goof in proceeding. He's sending an new application and fee. I guess we can retrack the permit with new dates?

Charley Ice

From: Charley Ice
Sent: Thursday, May 17, 2001 12:22 PM
To: Roy Hardy
Subject: Maui Vista and Kihei Akahi PIPAs

talked with Bill Steele today (17 May) and noted it in file:
The confusion concerned how to file application when pumps >70 gpm. I explained there are two issues -- (1) check both boxes on any size well if both procedures will be done in quick sequence, PIP would follow acceptance of complete WCR1; (2) on pumps <70 gpm, application or notice to commence can request Dec G-5, to install pump before PIP, contingent on test results supporting it. The difference is that larger (permanent) pumps should not be installed prior to issuance of PIP.

Another question now, though: is it unacceptable to install pump without electrical controller hookup? Installer's self-interest is in clearing process before completing hookup. Pump cannot be used during that time. Mitch is saying that an unscrupulous installer or well owner could do so their own, so installer shouldn't even leave a pump in place from testing. What do you think?

I had another conversation that relates to your and Lenore's point about whether the penalty policy chills freer collaboration between our staff and applicants/permittees. The conclusion was the same, that we may be putting ourselves on a slippery slope, that it would be wise to stay heads-up and not push the penalties too hard except as "willful" or otherwise gross violations occur.
Ms. Peggy Conklin  
Maui Vista AOA  
2191 South Kihei Road 2105  
Kihei, Maui, HI 96753

Dear Ms. Conklin:

Pump Installation Permit  
Kamaole-Maul Vista Well (Well No. 4326-09)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor 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 starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. 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 as of April 9, 2001.

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,

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosure

C. Wailani Drilling Company
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 Kamaole-Maui Vista Well (Well No. 4326-09) at 2191 South Kihei Road, Kamaole, Makawao, Maui, TMK 3-9-18:3, 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 200 gpm capacity, or less, pump in the well.

3. The permittee, well operator, and/or well owner 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 a monthly/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, well operator, and/or well owner are 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, well operator, and/or well owner 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, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

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, well operator, and/or well owner 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, well operator, and/or well owner 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: April 9, 2001
Expiration Date: April 9, 2003
GILBERT S. COLOMA-AGARAN, 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 underlyng condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I 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
Maui Department of Water Supply
Wailani Drilling Company
Ms. Peggy Conklin  
Maui Vista AOAO  
2191 South Kihei Road 2105  
Kihei, Maui, HI 96753  

Dear Ms. Conklin:

Pump Installation Permit  
Kamaole-Maui Vista Well (Well No. 4326-09)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor 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 starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. 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 as of April 9, 2001.

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,

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosure  
c. Wailani Drilling Company
WELL CONSTRUCTION PERMIT

Kamaole-Maui Vista, Well No. 4326-09

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-16, entitled “Water Use, Wells, and Stream Diversion Works,” this document permits the construction and testing of Kamaole-Maui Vista (Well No. 4326-09) at Kamaole, Kihei, Maui, TMK 3-9-18:3, 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 of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96802, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-16-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1½-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards. A pump testing worksheet is attached. The permittee, well operator, and/or well owner shall submit to the Chairperson 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 Chairperson.

3. In basement water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basement water unless otherwise authorized by the Chairperson.

4. The permittee, well operator, and/or well owner 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.

5. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee, well operator, and/or well owner shall stop work and contact the Department's Historic Preservation immediately.

6. 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 cumulative water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997; HWCPS). If the HWCPS are not followed and as a consequence water is wasted or contaminated, an lien on the property may result.

10. The permit may be revoked by the Commission 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 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, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

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

12. 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, assignee, owners, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: November 16, 2000
Expiration Date: November 16, 2002

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 shall not commence work until I and the driller 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 with the permit date of approval.

Permittee's Signature: [Signature]
Printed Name: [Printed Name]

Driller's Signature: [Signature]
Printed Name: [Printed Name]

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

Attachment

USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Wailuku Drilling Company
Pumping Test No. Constant Rate
Well No. 4326-09
Discharge 48125.00 ft³/d

Transmissivity [ft²/d]: \(8.45 \times 10^4\)
Pumping test analysis
Time-Drawdown-method
Confined aquifer

Date: 20.04.2001
Project: Kamaole-Maui Vista
Evaluated by: Glenn Bauer

Pumping Test No. Constant Rate
Test conducted on: March 6, 2001
Well No. 4326-09
Kamaole Maui Vista
Discharge 48125.00 ft$^3$/d
Distance from the pumping well 1.00 ft

Static water level: 62.80 ft below datum

<table>
<thead>
<tr>
<th>Pumping test duration</th>
<th>Water level</th>
<th>Drawdown</th>
</tr>
</thead>
<tbody>
<tr>
<td>[d]</td>
<td>[ft]</td>
<td>[ft]</td>
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<td>10 0.27778</td>
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<td>0.90</td>
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</table>
MEMO and ROUTE SLIP

WCR 1 Check for Well No. 4326-09 (survey to regulation memo)

1. **Pump Tests Check**
   - Glenn Bauer (initial) 
   - Yes No 
   - If no, describe deficiency

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

   **Aquifer Pump Test:**
   - 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:**
   - Yes No
   - If yes, identify most probable stream

   **Note:**
   - Thought 2 hours w/ stabilization was correct...
   - Well began to recover during test?
   - Recheck or rate validated.
   - Any reason to redo? Deny permit? No (23 Apr 01)

2. **Construction Check**
   - Mitch Ohye (initial) 
   - Yes No 
   - If no, describe deficiency

   - data complete
   - followed WCPI Stds
   - well database updated

3. Charley/Lenore/Ryan (initial) take action based on above analysis and double check with well check program again

4. Roy (initial) check

5. Susan Subia (initial) finalize

6. Linnel (initial) signature

7. Charley/Lenore/Ryan File

Linnel ___ (initial) signature
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
WELL COMPLETION REPORT - PART I
Well Construction

Instructions: Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 627, Honolulu, Hawaii 96809. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 587-0225. For updates to this form or additional information, please visit our website at http://www.state.hi.us/dlnr/cwm/

<table>
<thead>
<tr>
<th>1. State Well No.:</th>
<th>1926-09</th>
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<tbody>
<tr>
<td>2. Well Name:</td>
<td>Kamehameha 10579</td>
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<td>Island:</td>
</tr>
<tr>
<td>3. Address:</td>
<td>219 I South Kihei Rd, P.O. Box 2</td>
</tr>
<tr>
<td>4. Drilling Company:</td>
<td>Liko M. Delaunay</td>
</tr>
<tr>
<td>5. Date Well Construction (drilled, cased, grouted) completed:</td>
<td>2/29/00</td>
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</tbody>
</table>

Attach wells log (Medium Res. Form)

In addition to the dollar's log, if a geologic log was prepared, please submit with this form.

6. Initial water level encountered:
   - 75 ft. below ground
   - Date and time of measurement: 4/5/01

7. Step Down Test completed?
   - No

8. Constant Rate Aquifer Test completed?
   - Yes

Parameters prior to pump test:

9. Water level (ft. above sea level): 150

10. Chloride: 640 ppm

11. Temperature: 67 °F

12. Fill in the as-built section on the other side of this sheet.

13. Attach plot plan and surveyor's stamped elevation report.

14. If a pump is not planned to be installed, please describe (below in the remarks section) how well is secured to prevent unauthorized access (example: lockable cover, threatened coupling, etc.)

15. Remarks: Punch mark (10 ft.) - 4' Below Grade level

Seal "well cap"

Licensed Driller (print): MIKE ROBERTSON
C-57 Lic. No.: 20115
Signature: MIKE ROBERTSON
Date: 3/31/01

Surveyor (print): KIRK T. TANAKA
L.P.L.S. Lic. No.: L223-15
Signature: KIRK T. TANAKA
Date: 8/1/01

Permission (print): PETER MAUNSELL
General Manager
Signature: PETER MAUNSELL
Date: 4-02-01
13. **AS-BUILT WELL SECTION**

*Please attach as-built if different from diagram provided below*

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
  - And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one):
  - □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one) □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  - □ Filament Wound Resin Pipe conforming to ASTM D2996
  - □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3296

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
  - And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one):
  - □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one) □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  - □ Filament Wound Resin Pipe conforming to ASTM D2996
  - □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3296
March 7, 2001

AOAO Maui Vista
2191 S. Kihei Rod, #2105
Kihei, HI 96753

Attention: Mr. Peter Maunsell
General Manager

Re: Elevation Survey
Existing Irrigation Well Site at Maui Vista
At Kihei, Maui, Hawaii
TMK: (2) 3-8-18:03

Gentlemen:

Pursuant to your request, we conducted an elevation survey on the existing irrigation well site in the rear parking lot on the subject property on March 6, 2001.

The elevation of the top well plate over the existing well site is 64.38 feet (MSL).

Should you have any questions or comments, please do not hesitate to call me.

Very truly yours,

Kirk T. Tanaka, P.E., L.S.
President

KTT:sh

871 KOLUM STREET SUITE 201 • WAILUKU, MAUI, HAWAII 96783-1436 • PHONE 242-9861
Alternative way for determining $T$ from step-drawdown data (Mink, per. comm)

$$Q = \text{ft}^3/\text{d}$$

$Q_1$ (gpm) = $250 = 48125 \text{ ft}^3/\text{d}$

$s_1 = \text{ft.}$

$Q_2$ (gpm) = $100 = 19250 \text{ ft}^3/\text{d}$

Set up two equations:

$s_1 = jQ_1 + nQ_1^2$

$s_2 = jQ_2 + nQ_2^2$

Well Depth below sea level = 23

Radius of well (ft) = 0.458 = $r$

$n = s_1 - (Q_1/Q_2)s_2/Q_1(Q_1-Q_2) = 1.2E-10$

$j = s/Q - nQ = 8.2E-06$

Laminar flow equation:

$s = jQ = 0.393333 \quad 59.60\% \text{ Head loss due to laminar flow}$

Thiem Eq.

$$T = \frac{1}{2\pi j}(\ln(re/r))$$

$re = \text{Well Depth BSL} \times 1.6 = 36.8$

Therefore:

$$T = \frac{1}{2\pi j}(\ln(re/r)) = 85416 \text{ ft}^2/\text{d}$$
## CONSTANT-RATE PUMP TEST DATA

<table>
<thead>
<tr>
<th>Pumped Well No.</th>
<th>Pumped Well Name</th>
<th>Observation Well No.</th>
<th>Distance between Obs. &amp; Pumped Well</th>
<th>Target Q</th>
<th>Reference pt. for depth to water</th>
<th>Static Water Level @ start of test</th>
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<tbody>
<tr>
<td>4326-09</td>
<td>Kamaole-MauiVista</td>
<td>n/a</td>
<td>n/a</td>
<td>200 gpm</td>
<td>64.3 ft. msl</td>
<td>62.6 ft. msl</td>
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</tbody>
</table>

Water level measurements by: ✔ steel tape  □ pressure transducer  □ airline

**START TEST** Date: **3/4/81** Time of day: **4:00 PM**

| Flow Meter Reading Start: | 18,755 gals |

<table>
<thead>
<tr>
<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (μhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F/°C</th>
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Data in this table is for:
- Pumped Well
- Observation Well

Remarks:
- Start Test
- Start pump/Cl⁻ taken
<table>
<thead>
<tr>
<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (µhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
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</table>

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: 389,255 gallons

---

1 Chloride sampling required
2 Use same ending drawdown figure as start for recovery
<table>
<thead>
<tr>
<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Recovery Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate (gpm)</th>
<th>EC (umhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F/°C</th>
<th>Date in this table is for:</th>
<th>Remarks</th>
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</table>

Start recovery

END TEST Date: 3/7/01 Time of day: 3:30 PM

ADDITIONAL REMARKS:

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

Signature: [Signature]

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this pump test.
## Table 1 (SDPTD Form 12/17/97)

### STEP-DRAWDOWN PUMP TEST DATA

(not required for wells producing < 100,000 gpd or 70 gpm)

<table>
<thead>
<tr>
<th>Pumped Well No.</th>
<th>Observation well no.</th>
<th>Distance between Obs. &amp; Pumped Well</th>
<th>Target Q</th>
<th>Reference pt. for depth to water</th>
<th>Static Water Level @ start of test</th>
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<td>62.8 ft. msl</td>
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</table>

Water level measurements by:  
- Steel tape
- Pressure transducer
- Airline

**START TEST**  
Date: **3/6/01**  
Time of day: **8:00AM**

Flow Meter Reading Start: **5000** gals

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<th>Depth (ft)</th>
<th>Depth to Water (unmeasured)</th>
<th>Drawdown (ft)</th>
<th>Pumping rate (gpm)</th>
<th>EC (μS/cm)</th>
<th>Cl (mg/l)</th>
<th>Remarks</th>
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</table>

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

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:  

1 starting pumping rate Q
2 minimum length of step period of constant pumping rate
3 minimum mandatory Chloride (Cl) measurement/sampling at end of every step
4 Use same ending drawdown figure as start for recovery
<table>
<thead>
<tr>
<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth To Water (nearest 0.1 ft)</th>
<th>Recovery Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (umhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
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END TEST  Date: 3/6/01  Time of day: 10:00 AM

ADDITIONAL REMARKS:

Person in charge of pump test (print): WILL H. STEELE

Signature: [Signature]

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who
Wailani Drilling Company
Lic. # C20115

Kamaola-Maui Vista Well #4326-09
Final drawing no pump* 02/26/01
Elevation 64.38 ft, m.s.l. @
Bench Mark (Slab)

Note: Well head set 4 ft. below ground level
Bench Mark 64.38 Ft.

Total Well Depth 95 ft.
initial chlorides 660 ppm

Pump tested at 250 gpm for 24 hours with maximum drawdown of .90 ft.

*Note: not drawn to scale
January 23, 2001

To: Charlie Ice
For: Water Resource Commission

Dear Charlie:

This is to provide written notice for starting work on the following wells:

Well Name: Kamaole-Maui Vista Well
Well Number: 4326-09

Please fax a response to me to confirm.

Thank You;

Mike Robertson
dba Wailani Drilling Inc.
WELL CONSTRUCTION PERMIT
Kamaole-Maui Vista, Well No. 4328-08

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 construction and testing of Kamaole Maui Vista (Well No. 4328-08) at Kamaole, Kihei, Maui, TMK 3-6-183, subject to the Hawaii Well Construction & Pump Installation Standards (12/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Chairperson), P.O. Box 821, Honolulu, HI 96809, shall be notified in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with 13-168-19, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (Pumping Test Worksheet is attached). The well water, well operator, and/or well owner shall submit to the Chairperson the test results as a part of supporting an application to treat it as permanent part of the water system. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

3. In shallow ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (1/4) of the shallow groundwater unless otherwise authorized by the Chairperson.

4. The permittee, well operator, and/or well owner 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.

5. In the event that subsurface cultural remains such as artifacts, burials, or concentrations of shells or charcoal are encountered during construction, the permittee, well operator, and/or well owner shall stop work and contact the Department of Land and Natural Resources immediately.

6. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established groundwater flow standards. This permit or the authorization to construct the well shall not constitute a determination of the water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation referenced to mean sea level, (msl) survey by a Hawaii licensed surveyor.
   c. A wellbore and soil profile 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 data.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

9. The well construction permit reproduction is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997: WWCP68). If the WWCP68 are not followed and no consequences are noted as a result, the permit may be revoked or denied.

10. The permit may be revoked at the discretion of the Chairperson 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 approval, unless otherwise specified. The permit may be denied by the Chairperson if local knowledge is not sufficient to determine compliance with the Standards. 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, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

11. If the well is not to be used, it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with 13-168-12D prior to any well sealing or plugging work.

12. 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.

13. Special conditions in the attached cover letter and Environmental Impact Statement are incorporated herein by reference.

Date of Approval: November 16, 2000
Expiration Date: November 16, 2002

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 undertaking of any ability to proceed and understand that I shall not commence work until I and the driller 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 $10000 per day starting from the permit date of approval.

Permittee's Signature: [signature] Date: 12/21/07
Printed Name: [name] Firm or Title: MAUNA VISTA BLD PRESIDENT

Driller's Signature: [signature] Date: [date]
C-57 License #: [license number]

Printed Name: [name] Firm or Title: MAUNA DRILLING

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

Attachment

Wells Department of Healthy Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Watabi Drilling Company
ATTN. Charlie Ice

Fax Number 1-808-587-0219
Phone Number 808-587-0251

FROM Wailani Drilling, Inc.
Fax Number 1-808-572-0925
Phone Number 1-808-572-2673

SUBJECT Notice Start to Work
Number of Pages 3
Date 1/23/01

MESSAGE
To: Charlie Ice  
For: Water Resource Commission  

Dear Charlie:  

This is to provide written notice for starting work on the following wells:  

Well Name: Kamaole-Maui Vista Well  
Well Number: 4326-09  

Please fax a response to me to confirm.  

Thank You;  
Mike Robertson  
dba Wailani Drilling Inc.
<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5</td>
<td>Loose Rock + Clay</td>
<td>1/3/01</td>
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<tr>
<td>5 to 12</td>
<td>Cinder</td>
<td>1/3/01</td>
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<td>12 to 65</td>
<td>Blue Rock</td>
<td>1/3/01</td>
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<td>65 to 72</td>
<td>Hand Tan Rock</td>
<td>1/3/01</td>
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<tr>
<td>72 to 75</td>
<td>Hard Blue Rock</td>
<td>1/3/01</td>
<td></td>
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<tr>
<td>75 to 85</td>
<td>Soft Blue Rock</td>
<td>1/4/01</td>
<td></td>
<td></td>
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<tr>
<td>85 to 90</td>
<td>Soft Rock + AA</td>
<td>1/4/01</td>
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<tr>
<td>90 to 95</td>
<td>Pink Felsite</td>
<td>1/4/01</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
Ms. Peggy Conklin  
Maui Vista AOAO  
2191 South Kihei Road  
Kihei, Maui, HI 96753

Dear Ms. Conklin:

Well Construction Permit  
Kamaole-Maui Vista (Well No. 4326-09)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for your permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information is a copy of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.
2. Well casing must meet dimensions required under Hawaii Well Construction and Pump Installation Standards.
3. Well depth in an unconfined freshwater aquifer must not exceed one-fourth the theoretical aquifer thickness.

This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (1/23/97) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:

"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."

If you qualify and wish to take advantage of this ruling, please include a written request to install the permanent pump prior to final pump installation permit issuance when you return to us your signed well construction permit.

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

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. Please provide all the information in this packet to your well drilling contractor. The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction 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 starting from the permit approval date.

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

Aloha,

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosures  
c. Wailani Drilling Company
Kamaole-Maui Vista, Well No. 4326-09

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Kamaole-Maui Vista (Well No. 4326-09) at Kamaole, Kihei, Maui, TMK 3-9-18:3, 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 of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-166-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1 1/4-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson 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 Chairperson.

3. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

4. The permittee, well operator, and/or well owner 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.

5. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee, well operator, and/or well owner shall stop work and contact the Department's Historic Preservation immediately.

6. 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.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission 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 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, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-166-12(f) prior to any well sealing or plugging work.

12. 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.

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

Date of Approval: November 16, 2000
Expiration Date: November 16, 2002

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller 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: __________________

Driller's Signature: ___________________________ Date: ___________
Printed Name: ___________________________ C-57 License #: ___________ Firm or Title: _______________

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

Attachment:

C. USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Wailea Drilling Company

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management
Assessed Values reflect the year 2000.

### PUBLIC RECORD DATA

**TMK # 2-3-9-18-3-1**

**2191 S KIHEI RD, Apt 1101**

**Owner:** KOJIMA, HENRY K/MITSUE /ETAL  
**Tax Payer:** KOJIMA, HENRY K ETAL  
**Tax Bill:** 262 KALIPONI ST, WAHIAWA, HI96786 USA

<table>
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<tr>
<th>Assessed Value</th>
<th>Exemption</th>
<th>Size</th>
<th>Buildings</th>
<th>Dwellings</th>
<th>PITT Code</th>
<th>Zoning</th>
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**Condo Name:** MAUI VISTA  
**Condo Type:** Corner  
**Condo style:** Single-family

**Common property:** pool, tennis

**SALES**

<table>
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<tr>
<th>Date</th>
<th>Description</th>
<th>Price S/P</th>
<th>Document</th>
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<td>7/7/1980</td>
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<td>$98,000 B/P 14840/755</td>
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**Tenure:** Fee Simple  
**Semi-Annual Tax:** $222.77

### PUBLIC RECORD DATA

**TMK # 2-3-9-18-3-2**

**2191 S KIHEI RD, Apt 1102**

**Owner:** WIEKENKAMP, HENDRICA W  
**Tax Payer:** WIEKENKAMP, HENDRICA W  
**Tax Bill:** 105-3377 CAPILANO CRESCENT, NORTH VANCOUVER, BC V7R 4W7 CANADA

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<tr>
<th>Assessed Value</th>
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<th>Dwellings</th>
<th>PITT Code</th>
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**Condo Name:** MAUI VISTA  
**Condo Type:** Interior  
**Condo style:** Single-family

**Common property:** pool, tennis

**SALES**

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<th>Date</th>
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**Tenure:** Fee Simple  
**Semi-Annual Tax:** $377.36

http://webresearch.hawaiiinformation.com/REsearch/Asp/Functions/Property/SearchTMK.asp? 12/15/00
Well No. 4326-09 Date of Review 12/15/00
Well Name Maui Vista AOAO Reviewer RRI
Applicant Maui Vista AOAO

**SECTION 1: WELL LOCATION INFORMATION**

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<thead>
<tr>
<th>Island</th>
<th>Maui</th>
<th>Proposed Use</th>
<th>Irrigation</th>
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<tbody>
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<td>Aquifer System</td>
<td>CENTRAL</td>
<td>Proposed Withdrawal</td>
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<td>Aquifer Sector</td>
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<td>System Sustainable Yield</td>
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<table>
<thead>
<tr>
<th>SECTION 2: WELL SECTION DATA</th>
<th>(enter data in grey cells only)</th>
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<tbody>
<tr>
<td>Elevation at top of casing</td>
<td>ft., m.s.l.</td>
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<tr>
<td>Ground Elevation</td>
<td>ft., m.s.l.</td>
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<tr>
<td>Cement Grout</td>
<td>ft.</td>
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<td>Rock Packing</td>
<td>ft.</td>
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<td>Hole Diameter</td>
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<td>Total Depth</td>
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<td>Estimated Head</td>
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<td>County Water Supply (Y/N ?)</td>
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<th>SECTION 3: CHECKLIST</th>
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<td>1/4 Aquifer Thickness</td>
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<td>Depth of Well below Sea Level</td>
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<td>Well Casing</td>
<td>Minimum Wall Thickness</td>
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<td>Material</td>
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<td>County or Non-County</td>
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<td>Minimum Thickness per standards</td>
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<td>Well Thickness Provided</td>
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<td>too small</td>
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<td>Minimum Length of Solid Casing</td>
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<td>90% of ground to top of aquifer</td>
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<td></td>
<td>Length of solid casing Provided</td>
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<td></td>
<td>okay</td>
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<tr>
<td></td>
<td>Casing Material</td>
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<td>Annular Space</td>
<td>If the cell above reads #N/A, reference HWCPIS</td>
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<td>Depth of Grouting</td>
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<td>Depth of Grouting provided</td>
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<td></td>
<td>Thickness of Annular Space</td>
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<tr>
<td></td>
<td>okay</td>
</tr>
</tbody>
</table>
TO: Honorable Bruce S. Anderson, Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
             William Wong, Safe Drinking Water Branch

FROM: Timothy E. Johns, Chairperson
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Kamaole-Maui Vista Well (Well No. 4326-09)

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 November 20, 2000.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-70251.

C:ky
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

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

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

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

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

[ ] No comments/objections

Contact Person: Melvin J. Hamasaki
Phone: 586-2468

Signed: Melvin J. Hamasaki
Date: 11/1/00
TO: Honorable Bruce S. Anderson, Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch

FROM: Timothy E. Johns, Chairperson
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
   Kamaole-Maui Vista Well (Well No. 4326-09)

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 November 20, 2000.

Please find the attached maps to locate the proposed well. If you have any questions about this
permit application, request additional information, or request additional review time, please contact
Charley Ice of the Commission staff at 587-70251.

Cl:ky
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-9.

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

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

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

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

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

No comments/objections [X] This county sewer area should not have any problems.

Contact Person: Levi N. Kajiwara
Phone: 586-4294
Signed: Levi N. Kajiwara
Date: 11/14/2000
TO: Dean Y. Uchida, Administrator
   Land Division
FROM: Linnel T. Nishioka, Deputy Director
   Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
         Kamaole-Maui Vista Well (Well No. 4326-09)

Transmitted for your review and comment is a copy of the captioned well application which includes a request for a pump installation permit.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by November 20, 2000.

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RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

XX A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ________________

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

[ ] No objections

XX Other comments: Original source of private title is Land Patent Grant 11949 issued in March 1940.

Contact Person: Gary Martin
                Phone: 587-0421

Signed: ______________
       Date: __/__/2000
Ms. Peggy Conklin
Maui Vista AOAO
2191 South Kihei Road 2105
Kihei, Maui, HI 96753

Dear Ms. Conklin:

Well Construction/Pump Installation Permit Application for Well No. 4326-09

We acknowledge receipt, on October 13, 2000, of your completed Well Construction/Pump Installation permit application and filing fee for the Kamaole-Maui Vista Well (Well No. 4326-08). You can expect your application to be processed within ninety (90) days from this date.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at 587-70251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 770251.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

Cl: ky

c: Wailani Drilling Company
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch

FROM: Timothy E. Johns, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Kamaole-Maui Vista Well (Well No. 4326-09)

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[ ] No comments/objections

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ______________
TO: Dean Y. Uchida, Administrator  
Land Division
FROM: Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application  
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[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ________________

Signed: ____________________________ Date: ____________________
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REMARKS: LINE (1) WCP/PIP Appl. (Well No. 4326-09)
LINE (2) WCP/PIP Appl. for Jas W. Glover Wells C&D
LINE (3)
LINE (4)

NAME/DESCRIPTION (WANG INPUT)
Wailani Drilling Co. Check #3290
Beylik Drilling Inc. Check #1343
### MISSION ON WATER RESOURCE MANAGEMENT

**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** CHARLEY  
**DATE:** 12-Oct-00  
**SUSPENSE DATE:**

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<td>KUNIMURA, I.</td>
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**WELL NUMBER:** 4326  
**WELL NAME:** Kamakea-Maui Vista

- [ ] WELL CONSTRUCTION
- [ ] PUMP INSTALLATION
- [x] BOTH

**ATTACHMENTS FOR APPLICATION PROCESSING** - Both applicant & staff generated

1. TRANS. LETTER
2. CWRM MAP
3. APPL. FORM (3X)
4. USGS MAPS (3X)
5. TAX MAPS (3X)
6. PARCEL OWNER VERIF.  
7. CONTRACTOR VERIF.  
8. ALL INFO FILLED IN
9. BACKGROUND CHECK

**FOLDER:**

- [ ] MADE NEW FILE FOLDER, ATTACHED
- [ ] FILE FOLDER ALREADY MADE, IN FILE CABINET

**INCOMPLETE ACTION DATES:**

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**Please note:**

- Well # Belongs to KIHEI-BEBE. Has this been cancelled? (Expiring on 4/21/93). My old friend Bruce... no record of completion, not mapped. Unable to reach so far - also message left w/David Pioo thinks it was never drilled (24 Oct) need to confirm.
APPLICATION FOR PERMIT

STATE OF HAWAI'I
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES

APPLICATION FOR PERMIT

WELL CONSTRUCTION and/or PUMP INSTALLATION

INSTRUCTIONS: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 521, Honolulu, Hawaii 96803. Application must be accompanied by 3 copies and a non-refundable filing fee of $26.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-668-4228. For filing instructions and updates to the application form, visit http://www.state.hi.us/cwrm.

APPLICANT INFORMATION: (Fill out all three, if applicable, and place a check next to the primary contact)

1. ( ) WELL OWNER:
   - Mailing Address: 2191 S Kihei Rd Suite 2105, Kihei, HI 96753
   - Contact Person: Peggy Condren
   - Phone: 879-5373
   - ( ) LAND OWNER:
     - Mailing Address: 2191 S Kihei Rd Suite 2105, Kihei, HI 96753
     - Contact Person: Phone:
   - ( ) CONTRACTOR:
     - Mailing Address: 2191 S Kihei Rd Suite 2105, Kihei, HI 96753
     - Contact Person: Kathleen
     - Phone: 572-2673

2. WELL NAME: KIHEI - MAUI VISTA
   - Island: MAUI
   - Address: 2191 S Kihei Rd
   - Tax Map Key: Zone 3 Sec 9, Plat 18, Parcel 3
   - Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1:24,000) and include the name of the quad map, and (b) a property tax map, showing location referenced to established property boundaries.

3. PROPOSED WORK: (check all that apply)
   - Construct New Well
   - Install New Pump
   - Modify Existing Well
   - Abandon/Seal
   - State Well No.:
   - (If unknown, please call Commission at 808-668-4228)

4. CONSTRUCTION:
   - Drilled
   - Dug
   - Shaft
   - Tunnel
   - Is this well part of a battery of wells? Yes No (Describe)

5. PROPOSED PUMP INFORMATION:
   - Pump Type (Check one):
     - Deep Well Turbine
     - Rotary
     - Submersible
     - Centrifugal
     - Rotary-Displacement
     - Reciprocating
     - Rotary-Gear
     - Impulse
   - Electric 20 HP

6. PROPOSED USE: (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - No. of Dwelling Units:
   - Domestic (individual, noncommercial water system)
   - No. of Acres:
   - Irrigation (crop)
   - Military
   - Other (explain):

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   - Gallons per day:
   - Gallons per minute

8. LEGAL REQUIREMENTS:
   - Ctr

9. REMARKS, EXPLANATIONS:
   - This could exceed 1/4 acre and be permitted by law

   I understand that approval of this application shall vest the approval date; 2) the contractor shall submit the permitted work, 3) yearly use water data at water rights and shall not guarantee the pump

   Well Owner/MAUI VISTA AAB
   - Signature: 9/29/20
   - Date:

   For official use only
   - Latitude: 42.3216°
   - Longitude: 96.091°

   State Well No: 14526-09
10. PROPOSED WELL SECTION

- Elevation at top of casing: 68 ft., mas*
- Minimum of 2 Radius & 4' Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)
- Ground Elevation: 67 ft., mas*
- Hole Diameter: 12.5 in.
- Solid Casing: (x) 90% x (Ground Elev.-Water Level Elev.)
  - Total Length: 9 ft.
  - Nominal Diameter: 6 in.
  - Well Thickness: 0.25 in.
  - Bottom Elevation: -20 ft., mas*
- Open Casing: [Perforated, Screen]
  - Total Length: 20 ft.
  - Nominal Diameter: 6 in.
  - Well Thickness: 0.25 in.
  - Bottom Elevation: -3 ft., mas*
- Note: Neither bentonite nor mud should be used in saturated zone during drilling.
- Open Hole:
  - Length: NA ft.
  - Diameter: NA in.
  - Bottom Elevation: NA ft., mas*

- Carbon Steel:
  - Thennoset Plastic:
  - ASS Plastic

- Carbon Steel:
  - Stainless Steel:
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C965
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296

- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2214): (check one):
  - Schedule 40
  - Schedule 80
  - Schedule 120

- Thermoset Plastic: (check one):
  - Centrifugally Cast Resin Pipe conforming to ASTM D3296
  - Reinforced Plastic Mortor Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C965
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Level - [Water Level Elev. - Bottom Elevation])

Example: Estimated = 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - 18.5 ft.) = -16.5 ft.

- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200, API Spec. 5L, ASTM A53, ASTM A139
- Stainless Steel: compliant with (check one or more): ASTM A242, Type E, Type S, Grade B, Other
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): Schedule 40, Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2214): (check one): Schedule 40, Schedule 80, Schedule 120
- Thermoset Plastic: (check one): Centrifugally Cast Resin Pipe conforming to ASTM D3296
- Reinforced Plastic Mortor Pressure Pipe conforming to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C965
- PTFE Fluorocarbon Tubing conforming to ASTM D3296

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

Please Complete the following:

Have the well permit application signed in both places: Well owner and land owner.

Mark approximate area of proposed well site on the color map provided.

Enclose a tax map showing your property highlighted.

Put all of this in the envelope provided and mail to the State Water Commission.

Thank You:  

Mike Robertson

Certified by and a member of The National Ground Water Association