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 Max Well #1 (Well No. 1123-08) at Kilauea, Kauai, TMK 5-1-005:126:0001, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

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

2. The pump installation permit shall be for installation of a 30 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 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 and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). 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.

W. Roy Families

Date of Approval: August 16, 2004
Expiration Date: August 16, 2006
PETER T. YOUNG, 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 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 $5000 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 #: 21457 Date: 12-5-06

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’s Safe Drinking Water & Wastewater Branch
Kauai Department of Water Supply
John G. Maxwell
MEMO and ROUTE SLIP (ver. 12/21/05) 11/17/06

WCR 2 Check for Well No. 1123-08 (survey to regulation memo)

1. Pump Tests: Check (special condition of PIP? Yes/No) Kevin Gooding (initial if yes)
   - Step-Drawdown Test:
     - followed WCPI Stds □ □
     - analysis attached □ □
     - proposed pump cap o.k. □ □
   - Aquifer P Test:
     - followed WCPI Stds □ □
     - T & S analysis attached □ □
   - Well Interference:
     - estimated daily-State
     - drawdown mile radius is _______ ft.
     - analysis attached □ □
   - Stream Surface Water Impacted: □ □ ← If yes, identify most probable stream
   - Geology Co. Well Index: __________

2. Pump Install on Check Mitch Ohye (initial)
   - data complete Yes No □ □
   - special Cond & Elev. database updated □ □
   - followed Yes No □ □

3. Charlie/Ryan (initial) take action based on above analysis
   - ATTACHMENTS FOR ACCEPTANCE:
     1WCR2 ACCEPTANCE LETTER
     2PUMP INSTALL COMPLETION CERTIFICATE
     3METER ALL. REPORT (IF NECCESSARY)
     4WUR FC (if necessary)
   - To be sent to driller
   - Staff internal checks
   - To be sent to landowner/operator

4. Roy (initial) check (Entered WCR 2/PICC accept date into database)
5. Susan Howe (initial) finalize
6. Charlie/Ryan File
Mr. John G. Maxwell Jr.
3108 Drover Ln.
Darien, IL 60561

Dear Mr. Maxwell Jr.:

Certificate of Pump Installation Completion for Well No. 1123-08

We are pleased to inform you that the Pump Installation work permitted for the Max Well #1 Well (Well No. 1123-08) is complete and acceptable and welcome you as a new member to the community of well owners and groundwater users in Hawaii. This certificate of pump installation completion allows you to commence pumping your well for reasonable & beneficial water use.

To protect Hawaii’s natural ground water resources for the benefit of all, the following requirements apply to the use of your well:

1. If the well is not in use it must be properly capped.

2. If the well is to be abandoned then the landowner must cause a licensed contractor to apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

3. In the event that the well operator and/or landowner changes, the Commission shall be notified of the change prior to the change, and all forms shall be transferred to the new owner.

4. In the event the benchmark in the concrete base of the well is altered in any way, an updated elevation survey (page 5 of the Well Completion Report Part I) shall be submitted to the Commission. The Well Completion Report Part I can be obtained by contacting staff or at www.hawaii.gov/dlnr/cwrm/forms.htm.
5. Your approved pump has a capacity of 25 gpm at a head of 300 ft. In the future, pump replacements of equal or lesser capacity will not require an additional permit from the Commission, but will require the submission of a Well Completion Report Part II by the licensed pump installer. If the pump replacement is greater than the existing pump, you will need to apply for a new pump installation permit.

6. The landowner shall cause the well operator to maintain the installed 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 basis, on forms provided by the Chairperson (attached), in accordance with §13-168-7, HAR.

7. 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. The authorization to drill a well and/or install a pump shall not constitute a determination of correlative water rights. The landowner and well operator are notified that the quantity of water taken from the well and/or the pump capacity could be reduced by the Commission in the future.

8. In the event that your installed pump is less than 70 gallons per minute, and no elevation survey has been completed, you may be required to do one in the future.

Because groundwater in Hawaii is a public trust, and adverse effects at one well may affect other water resources, any violation of the above conditions, or any other provision of the Hawaii Administrative Rules, may be subject to fines of up to $5,000/day. The Commission needs your help and asks that you to do your part in utilizing this shared resource. We prefer to work with you in meeting the goal of protecting our ground water resources together.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai).

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

LN:ss
Encl: Water Use Report Forms
c: Department of Water Supply
Oasis Water Systems
November 29, 2006

Mr. Barry Simmons
Oasis Water Systems, Inc.
P.O. Box 507
Hanalei, HI 96714

Dear Mr. Simmons:

Well Completion Report Part II for Well No. 1123-08

We received your Well Completion Report Part II for the Max Well #1 (Well No. 1123-08) on November 15, 2006 and acknowledge that it is complete.

This completes your obligations under the pump installation permit. A certificate of pump installation completion will be issued to the well operator/landowner and you will receive a copy. The certificate transfers responsibility of all aspects of well usage and maintenance from you to the well operator/landowner.

However, we have not received an executed copy of the pump installation permit. Please provide a copy of the executed pump installation permit, which should have been submitted to us prior to the start of the pump installation work. We will not accept new permit applications until this matter has been addressed.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai).

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

LN:ss

c: John Maxwell
# 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 621, 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, consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 808-681-7590. For updates to this form or additional information, please visit our website at [http://www.hawaii.gov/dlnr/cwrm/](http://www.hawaii.gov/dlnr/cwrm/).

### 1. State Well No.:
- Well Name: Max Well #1
- Island: Kauai

### 2. Address:
- Kilavea
- Tax Map Key: 5-1-005:126:000

### 3. Pump Installation Company:
- Oasis Water Systems, Inc.

### 4. Date Pump Installed:
- 8/30/2004

### 5. PERMANENT PUMP INFORMATION

<table>
<thead>
<tr>
<th>Pump Type, Make, Serial No.</th>
<th>Grundfos-25S30-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity</td>
<td>25 gpm at head of</td>
</tr>
<tr>
<td>Motor Type, H.P., Voltage, rpm</td>
<td>Franklin Electric 3 hp 230V 3450</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump type (check one):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deep Well Turbine</td>
</tr>
<tr>
<td>Submersible</td>
</tr>
<tr>
<td>Centrifugal</td>
</tr>
<tr>
<td>Rotary</td>
</tr>
<tr>
<td>Rotary-Displacement</td>
</tr>
<tr>
<td>Rotary-Gear</td>
</tr>
<tr>
<td>Propeller</td>
</tr>
<tr>
<td>Reciprocating</td>
</tr>
<tr>
<td>Impulse</td>
</tr>
</tbody>
</table>

### 6. Method of flow measurement:
- Flowmeter Manufacturer: Master Meter Model no. 5103673 Size 1.5"
- Other, explain and attach schematic

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

### 8. Attach the rating curve for the installed pump.

### 9. Attach photograph of well clearly showing the benchmark on the concrete pad, the well head, and the method of flow measurement.

### 10. Well Owner
- Company: [Redacted]
- Contact: John Maxwell, Jr.
- Address
- Phone
- Fax

### 11. Land Owner
- Company: Same
- Contact
- Address
- Phone
- Fax

### 12. Remarks

---

Pump Installation Contractor (print): Barry Simmons C-57/C-57a/A Lic. No. 21457
Signature: [Signature]
Date: 11-14-2004
7. AS-BUILT PUMP SECTION (Please attach as-built if different from diagram provided below)

Bench mark elevation surveyed to nearest 0.01 ft. = 431.4 ft. mean sea level

Elevation of top of chase tube = 132.9 ft. mean sea level

Pump intake depth = 195 ft. (referenced to bench mark)

Chase tube depth = 190 ft. (referenced to bench mark)

If airline installed, bottom of airline elevation = \( \frac{A}{B} \) ft. mean sea level

2-11-29-08 MAX #1
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD. .5 - 5 HP/460 RPM.
6" MOTOR STANDARD, 7.5 - 10 HP/3450 RPM.

Performance conforms to ISO 9906. 1999 (E) Annex A
Minimum submergence is 2 feet.
Max Well #

1123-08
August 31, 2004

Ref: 1123-08.pip

Mr. Barry Simmons
Oasis Water Systems
P.O. Box 507
Hanalei, HI 96714

Dear Mr. Simmons:

Pump Installation Permit
Max Well #1 (Well No. 1123-08)

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.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

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 $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the landowner 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 August 16, 2004.

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

Sincerely,

Peter T. Young  
Chairperson

Enclosure

c: John G. Maxwell
PUMP INSTALLATION PERMIT
Max Well #1, Well No. 1123-08

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Max Well #1 (Well No. 1123-08) at Kilauea, Kauai, TMK 5-1-005:126:0001, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.
2. The pump installation permit shall be for installation of a 30 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 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 existing water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of cumulative 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 and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). 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 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(2) 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: August 16, 2004
Expiration Date: August 16, 2006

PETER T. YOUNG, 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 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 $5000 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's Safe Drinking Water & Wastewater Branch
Kauai Department of Water Supply
John G. Maxwell
## Well Check Program

4/1/04 - Revised for update to Well Standards (February 2004)

### Data Input

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>1123-08</td>
</tr>
<tr>
<td>Well Name</td>
<td>Max #1</td>
</tr>
<tr>
<td>Ground Elevation</td>
<td>430.9</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>123</td>
</tr>
<tr>
<td>Grouting Method</td>
<td>other</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>13</td>
</tr>
<tr>
<td>Total Depth</td>
<td>201</td>
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<tr>
<td>Estimated Head</td>
<td>292</td>
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<tr>
<td>Public Water Supply Well?</td>
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<tr>
<td>Solid Casing Material</td>
<td>pvc plastic</td>
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<tr>
<td>Solid Casing Specification</td>
<td>Schedule 40</td>
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<td>Solid Casing Length</td>
<td>161</td>
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<td>Solid Casing Diameter</td>
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<td>Solid Casing Wall Thickness</td>
<td>Schedule 40</td>
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<tr>
<td>Open Casing Length</td>
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### Results

#### Well Depth

<table>
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<th>Field</th>
<th>Value</th>
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<tbody>
<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>11972</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
<td>2993</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Depth Overall</td>
<td></td>
</tr>
<tr>
<td>Depth of Grouting Calculated</td>
<td>97.23</td>
</tr>
<tr>
<td>Depth of Grouting Provided</td>
<td>123</td>
</tr>
<tr>
<td>Minimum Annular Space required</td>
<td>2</td>
</tr>
</tbody>
</table>
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 821, Honolulu, Hawaii 88902. 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 977-2028. For updates to this form or additional information, please visit our website at http://www.state.hi.us/real/townh/

<table>
<thead>
<tr>
<th>1. State Well No.:</th>
<th>1123-08</th>
<th>Well Name:</th>
<th>Max Well #1</th>
<th>Island:</th>
<th>Kauai</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address:</td>
<td>Kilauea</td>
<td>Tax Map Key:</td>
<td>5-1-006:126:0001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Drilling Company:</td>
<td>Oasis Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Drilling method used during construction:</td>
<td>Rotary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Date Well Construction (drilled, cased, grouted) completed:</td>
<td>10/5/03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

| 6. Was the subject well cored? | ☑ Yes | ☐ No |
| 7. Initial water-level encountered | 43 ft. below ground | Date and time of measurement: | 4/5/03 |

| 8. Step-Drawdown Test completed? | ☑ Yes | ☐ No |
| 9. Constant Rate Aquifer Test completed? | ☑ Yes | ☐ No |

*Parameters prior to pump test:*

| 10. Water-level: | 292 ft. above msl | Date and time of measurement: | 12/8/03 9am |
| 11. Chloride: | 25 ppm | Date and time of sampling: | 12/8/03 9am |
| 12. Temperature: | 73°F | Date and time of measurement: | 12/8/03 9am |

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

14. Fill in attached surveyor's report.

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

16. The proposed manufacturer's rated pump capacity is 30 gpm at a head of 300 ft.

17. Remarks: 

---

**Licensed Driller (print):** Oasis Water

**Signature:**

**Date:** 12/2/03

**Permittee (print):** Oasis Water

**Signature:**

**Date:** 12/15/03
13. AS-BUILT SECTION (Please attach as-built if different from diagram provided below)

Elevation at top of casing: 43.9 ft., msl*(to nearest 0.01 ft.)

Bench mark elevation: 43.9 ft., msl* (Survey to nearest 0.01 ft.)

Cement Grout: 12.3 ft. (min. 70% of distance from ground elevation to top of water surface or 50 ft., whichever is less.)

Annular space between hole and casing (min. 3"):

Rock or Gravel Packing:

Material:
- Crushed Basalt
- Round Gravel

Total Depth: 201 ft.

Ground Elevation: 43.9 ft., msl

Minimum of 2’ Radius & 4” Thick Concrete Pad

Solid Casing: (≥ 90% x (Ground Elevation - Water Level Elevation))
- Length: 161 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 3.40 in.
- Bottom Elevation: 42.9 ft., msl

Open Casing: Perforated Screen
- Length: 40 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 3.40 in.
- Bottom Elevation: 42.9 ft., msl

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

Water Level Elevation: 292 ft., msl*

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)
  - Centrifugally 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)
  - Centrifugally 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

*msl = mean sea level
## DRILLER'S LOG

**WELL NUMBER:** 123-08

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 59</td>
<td>Red Clay</td>
<td>4/5/03</td>
</tr>
<tr>
<td>59 to 71</td>
<td>Mud Rock (W2)</td>
<td>4/5/03</td>
</tr>
<tr>
<td>71 to 96</td>
<td>Blue Rock</td>
<td>4/5/03</td>
</tr>
<tr>
<td>96 to 117</td>
<td>Fracture Rock</td>
<td>4/6/03</td>
</tr>
<tr>
<td>117 to 129</td>
<td>Weathered Rock</td>
<td>4/6/03</td>
</tr>
<tr>
<td>129 to 141</td>
<td>Blue Rock</td>
<td>4/6/03</td>
</tr>
<tr>
<td>141 to 173</td>
<td>Fracture Rock</td>
<td>4/7/03</td>
</tr>
<tr>
<td>173 to 197</td>
<td>Weathered Rock (W2)</td>
<td>4/7/03</td>
</tr>
<tr>
<td>197 to 204</td>
<td>Blue Rock</td>
<td>4/7/03</td>
</tr>
</tbody>
</table>

### Remarks:

OESS ; S~8 808.266 6530
WELL ELEVATION

WELL # 11-2308 "MAX WELLO"

OWNER: JOHN MAXWELL

T.M.K.(4)5-1-05:126 UNIT 1

BENCH MARK USED: CENTER LINE MONUMENT STA: 13+73.85 RD "B" HAVING AN ELEVATION OF 382.76' AS PER APPROVED CONSTRUCTION DRAWINGS FROM THE COUNTY OF KAUA'I
**Fax Cover**

<table>
<thead>
<tr>
<th>Send to:</th>
<th>From: Barry Simmons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attention:</td>
<td>Office location:</td>
</tr>
<tr>
<td>Lehare Nakama</td>
<td></td>
</tr>
<tr>
<td>Office location:</td>
<td>Date: 8/16/04</td>
</tr>
<tr>
<td>Fax number: 587-0219</td>
<td>Phone number: (808) 635-9790</td>
</tr>
</tbody>
</table>

- URGENT
- [ ] REPLY ASAP
- [ ] PLEASE COMMENT
- [x] PLEASE REVIEW
- [ ] FOR YOUR INFORMATION

**TOTAL PAGES, INCLUDING COVER:** 5

Good Morning Lehare,

Here's the info on Maxwell # 1123-08
Please call if you have any questions

Thank & Aloha

Barry
To: Barry Simmons  
Company: Oasis Water  
Fax Number: 820-6530  
Phone Number: 635-9190  
From: Lenore Y. Nakama  
Date: August 10, 2004  
Pages Including Header: 1  
Subject: Expired Permits

Notes/Comments:
Hi Barry,

Here is the list of expired or soon-to-expire permits:

<table>
<thead>
<tr>
<th>Well No.</th>
<th>Well Name</th>
<th>Well Owner</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1123-08</td>
<td>Max #1</td>
<td>John Maxwell</td>
<td>9/24/04</td>
</tr>
<tr>
<td>5328-01</td>
<td>Kukuiula 1</td>
<td>Kukuiula Dev.</td>
<td>7/11/04</td>
</tr>
</tbody>
</table>

Please send in Well Completion Reports - Part 1 if wells were constructed. If not, do the permits need to be extended or cancelled?

Thanks,

Lenore
State Of Hawaii
Water Commission
ATT: Lenore Nakama
Fax # 808-587-0219

Dear Lenore,

Please be advised that Oasis Water, Inc. License No. C-21457, We will begin work on the Max well # 1123-06 in the next few weeks.

Sincerely,

Steve Goldberg
Oasis Water inc. C-21457
WELL CONSTRUCTION PERMIT

Well No.: 1122-09

Note: This permit shall be prominently displayed at the site until the work is completed.

In accordance with the Department of Land and Natural Resources, Commission on Water Resource Management, Administrative Rule, Section 13-209, entitled "Water Use, Wells, and Storage Diversions Work", this document permits the construction and testing of a well

1. The Chairman of the Commission on Water Resource Management (Commission), P.O. Box 284, Honolulu, HI 96814, shall be notified, in writing, at least ten (10) days before any work is begun by the permittee, complainant, and shall be allowed to inspect the installation of the well and to approve the inspection of the well and construction of the well in accordance with the permit. Any work not approved shall not be allowed to proceed. The applicant shall provide the inspection and construction of the well in accordance with the permit. The inspection of the well and construction of the well shall be performed by a duly licensed contractor, and the written report on the inspection and construction of the well shall be submitted to the Commission within ten days of the completion of the inspection and construction of the well.

2. The well construction permit shall be for construction and testing of the well only. After the completion of the well construction and testing, the applicant shall provide a written report to the Commission, or the Director of Water Resource Management, on the completion of the well construction and testing in accordance with the permit. Any work not approved shall not be allowed to proceed. The inspection of the well and construction of the well shall be performed by a duly licensed contractor, and the written report on the inspection and construction of the well shall be submitted to the Commission within ten days of the completion of the inspection and construction of the well.

3. In the event of an emergency, the depth of the well may exceed one-fourth (1/4) of the total number (6) feet (182) feet as noted in the permit.

4. The permittee, well operator, and well owner shall ensure that the inspection of the well is performed in accordance with the permit, and shall be responsible for ensuring that the inspection of the well is completed in accordance with the permit.

5. The proposed well construction shall not adversely affect the quality of future local use of water in the area, including any surface water or ground water resources in the area.

6. The permittee, well operator, and well owner shall comply with all applicable laws, rules, and ordinances. Non-compliance may result in termination of the permit.

7. The following shall be submitted to the Commission within ten (10) days after completion of the well:
   a. Written report of the inspection and construction of the well.
   b. Complete pumping test reports, including land use, pumping rate, and water quality.

8. The permittee, well operator, and well owner shall comply with all applicable laws, rules, and ordinances. Non-compliance may result in termination of the permit.

9. The well construction permit application is incorporated into this permit. The application is subject to the Hawaii Well Construction & Pump Installation Act, Chapter 157, Hawaii Revised Statutes. If the Commission is satisfied that the application is in compliance with the permit, the application shall be treated as a permit and may be processed for issuance.

10. The permit may be amended by the Commission if the permit is not completed within sixty (60) days of the date of issue or if any work is not completed or performed in accordance with the permit. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application. The permit expires if the well construction permit application is not completed within sixty (60) days from the date of the application.

11. If the permit is not completed within sixty (60) days from the date of issue, the Commission may order the permit holder to cease and desist from the permit activity. The Commission may order the permit holder to cease and desist from the permit activity. The Commission may order the permit holder to cease and desist from the permit activity. The Commission may order the permit holder to cease and desist from the permit activity. The Commission may order the permit holder to cease and desist from the permit activity. The Commission may order the permit holder to cease and desist from the permit activity.

12. The permittee, well operator, and well owner shall adhere to the permit as issued. Any changes or modifications shall be submitted to the Commission for approval. The permittee, well operator, and well owner shall adhere to the permit as issued. Any changes or modifications shall be submitted to the Commission for approval. The permittee, well operator, and well owner shall adhere to the permit as issued. Any changes or modifications shall be submitted to the Commission for approval. The permittee, well operator, and well owner shall adhere to the permit as issued. Any changes or modifications shall be submitted to the Commission for approval.

13. Special conditions in the attached cover letter or notice shall be incorporated herein by reference.

Date of Approval: September 24, 2002
Expiration Date: September 24, 2004

GILBERT S. COLONAGAN, Chairman
Commission on Water Resource Management

I have read the regulations and terms of this permit and understand them. I accept and agree to abide by these conditions as a prerequisite for the issuance of this permit. I am aware that any violation of the conditions of this permit may result in the revocation of this permit. Any violation of these conditions may result in the revocation of this permit. Any violation of these conditions may result in the revocation of this permit. Any violation of these conditions may result in the revocation of this permit.

Signed: 
Printed Name: 
Firm or Title: 

Driller's Signature: C-07 License #: 24459 Date: 2/18/03
Printed Name: 
Firm or Title: 

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

Attachment:

Effective Date: 2/18/03

STATE OF HAWAII
COUNTY OF MAUI

I hereby certify that the above is a true and correct copy of the permit as issued.

JULIE A. GARGEAU
Office of Water Quality and Resource Management
Department of Land and Natural Resources

Attachment:

Page 55

PAGE 1
Mr. Steve Goldberg
Oasis Water Systems
P.O. Box 535
Kilauea, HI 96754

Dear Mr. Goldberg:

Dear Mr. Goldberg:

Well Construction Permit
Max Well #1 (Well No. 1123-08)

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. All aspects of construction shall comply with the Hawaii Well Construction and Pump Installation Standards (1997), unless approval for specific exemptions is obtained in advance.

3. Standard Condition 2 is modified and Standard Condition 7.e. is waived to exempt the permittee from the requirement for pumping tests for permanent pump capacities less than or equal to 50 gpm.

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 landowner sign both permit originals and return one for our files.

**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 Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Aloha,

GILBERT S. COLOMA-AGARAN
Chairperson

Enclosures

c: John G. Maxwell, Jr.
WELL CONSTRUCTION PERMIT
Max Well #1, Well No. 1123-08

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Max Well #1 (Well No. 1123-08) at Kilauea, Kauai, TMK 5-1-005:126:0001, 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 §13-168-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 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; HWCRS). If the HWCRS 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 §13-168-12(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: September 24, 2002
Expiration Date: September 24, 2004

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 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: ____________________________ C-57 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.

Attachment

c USGS
Department of Health Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
John G. Maxwell, Jr.
**Well No.** 1123-08
**Well Name** Max Well #1
**Applicant** J. Maxwell

### SECTION 1: WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>Island</th>
<th>Aquifer System</th>
<th>Aquifer Sector</th>
<th>Proposed Use</th>
<th>Proposed Withdrawal</th>
<th>Domestic</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAUAI</td>
<td>LIHUE</td>
<td>KILAUE</td>
<td>Domestic</td>
<td>30000</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 2: WELL SECTION DATA (enter data in grey cells only)

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>ft., m.s.l.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>ft., m.s.l.</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>ft.</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>ft.</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>ft.</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>ft., m.s.l.</td>
</tr>
</tbody>
</table>

**Solid Casing**
- Material
- Designation
- Length
- Diameter
- Wall Thickness

**Casing**
- Material
- Designation
- Length
- Diameter
- Wall Thickness
- Openings

**County Water Supply (Y/N ?)**

### SECTION 3: CHECKLIST (values to check are shaded)

**Well Depth**
- Theoretical Thickness of Aquifer 0 ft.
- 1/4 Aquifer Thickness 0 ft.

**Depth of Well below Sea Level** 0 ft. too deep (refer to HWCPIS Section 2.2)

**Well Casing**
- Minimum Wall Thickness
  - Material
  - County or Non-County non-county
  - Minimum Thickness per standards **** in.
  - Well Thickness Provided 0.000 in. **** (refer to HWCPIS Section 2.4 c)
  - Minimum Length of Solid Casing
  - Length of ground to top of aquifer 0 ft.
  - Length of solid casing Provided 0 ft. too shallow (refer to HWCPIS Section 2.4 d)

**Casing Material**
- **** ****

**Annular Space**
- Depth of Grouting
  - Calculated Depth of Grouting 0 ft.
  - Depth of Grouting provided 0 ft. okay (refer to HWCPIS Section 2.6 c)
- Thickness of Annular Space 0 in. too small (refer to HWCPIS Section 2.6 d)
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
August 30, 2002

TO: Honorable Bruce S. Anderson, Director
Department of Health

Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawakoe, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Max Well #1 (Well No. 1123-38)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 24, 2002. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

LN:ss
Attachment(s)

RESPONSE:

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

[ ]

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

[ ]

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

[ ]

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

[ ]

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

[ ]

An NPDES permit is required.

[ ]

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

[ ]

No comments/objections

Contact Person: Bill Wong
Phone: 586-4258

Signed: Bill Wong
Date: 9/16/02
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Max Well No. 1 (Well No. 2-1123-08 Kauai):

Please be advised that the Department of Health has experienced drinking water and groundwater contamination by submersible pumps containing mercury. Specifically, the failure of the seals of the pumps allowed mercury to leak out into the well shaft resulting in contamination of the well and the water served by the well. If you intend to install a submersible pump, please review your pump specifications to be sure that the submersible pump(s) you propose to use does not contain materials which could result in either groundwater contamination or drinking water contamination.
TO: Honorable Bruce S. Anderson, Director      
Department of Health 
          
Attention: Dennis Tuliang, Wastewater Branch 
William Wong, Safe Drinking Water Branch 
Dr. Keith Kawakami, Hazardous Evaluation and Emergency Response 
Alec Wong, Clean Water Branch 

FROM: Gilbert S. Coloma-Agaran, Chairperson 
Commission on Water Resource Management 

SUBJECT: Well Construction/Pump Installation Permit Application 
          Max Well #1 (Well No. 1123-08) 

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump 
Installation permit application. 

We would appreciate your comments on the captioned application for any conflicts or 
inconsistencies with the programs, plans, and objectives specific to your department. Please respond 
by returning this cover memo form by September 24, 2002. If we do not receive comments or a 
request for additional review time by this date, we will assume that you have no comments. 

Please find the attached maps to locate the proposed well. If you have any questions about this 
permit application, request additional information, or request additional review time, please contact 
Lenore Nakama of the Commission staff at 587-0218. 

LN:ss 
Attachment(s) 

RESPONSE: 

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (designed as serving 25 or more people 
at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply 
with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Public Water System. §11-30-20. 

[ ] 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 apps with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention 
devices should be routinely inspected and tested. 

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

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

[ ] An NPDES permit is required. 

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

[ ] No comments/objections. 

Contact Person: Alec Wong Phone: 586-4309 
Signed: Alec Wong Date: 9/9/02
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
TO: Honorable Bruce S. Anderson, Director  
Department of Health

Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Max Well #1 (Well No. 1123-08)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 24, 2002. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

LN: ss  
Attachment(s)

RESPONSE:

1. This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 29, Rules Relating to Potable Water Systems, §11-39-3W.

2. This well does qualify as a source serving a public water system (serves less than 26 people or more people at least 60 days per year or 15 service connections) and if the well is used for drinking, the private owner should test for bacteriological and chemical presence before infilling each use and routinely monitor the water supply 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.

3. 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 supplies with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

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

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

6. An NPDES permit is required.

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

8. No comments/objections

We defer to wastewater and drinking water concerns.

Contact Person: Dr. Keith Kawaoka  
Phone: 586-4249

Signed:  
Date: 9/11/02

Fax to: Commission on Water Resources Management: 587-0219
Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

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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.

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

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

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

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

[ ] No objections

XF] Other comments: Original source of private title is Land Commission Award No. 11216 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: SEP 11 2002
TO: Honorable Bruce S. Anderson, Director  
Department of Health
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
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LN:ss
Attachment(s)

RESPONSE:

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

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

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

[] An NPDES permit is required.

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

[] No comments/objections

Contact Person: Loni N. Tajivana  
Phone: 980-4294

Signed: Loni N. Tajivana  
Date: 9-10-02
Facsimile Request and Cover Sheet
Wastewater Branch
919 Ala Moana Blvd. Room 309
Honolulu, Hawaii 96814-4920
(808) 586-4294 Fax (808) 586-4300

Date: Sept 9, 2002 Total Pages 1

From: Joe Tateyama, Kauai District Health Office
Phone (808)241-3323 Fax (808)241-3566

To: Lori Kajiwara, Planning/Design Section
Email: ikajiwara@eha.health.state.hi.us

Subject: Request for Information

Do you have any IWS files or records for the following:

(4) 5-15-26:001 CPR max well #1

Please check all that apply and fax site/plot plan if available:

[ ] sewered  [ ] no record  [ ] cesspool  [x] septic tank  [ ] aerobic unit

File # If applicable: 3068 # of Bedrooms 3

Record Date: 7/23/01
Submit Date: 7/26/01
Plan Approval Date: 10/24/01
Inspection Date: 12/5/01
System "Approval for Use" Date: 12/5/01

Other: CPR UNIT C
August 30, 2002

Mr. Steve Goldberg
Oasis Water Systems
P.O. Box 535
Kilauea, Hi 96754

Dear Mr. Goldberg:

Well Construction/Pump Installation Permit Application for Well No. 1123-08

We acknowledge receipt, on August 19, 2002, of your completed Well Construction/Pump Installation permit application and filing fee for the Max Well #1 (Well No. 1123-08). 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 Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

LN: ss

c: John Maxwell
August 30, 2002

TO: Honorable Bruce S. Anderson, Director
   Department of Health

   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
       Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Max Well #1 (Well No. 1123-08)

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LN:ss
Attachment(s)

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[ ] An NPDES permit is required.

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

[ ] No comments/objections
TO: Dede Mamiya, Administrator  
Land Division  
FROM: Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management  
SUBJECT: Well Construction/Pump Installation Permit Application  
Max Well #1 (Well No. 1123-08)

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LN:ss  
Attachment(s)

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
August 30, 2002

TO: Don Hibbard, Administrator
    Historic Preservation

FROM: Linnel T. Nishioka, Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Max Well #1 (Well No. 1123-08)

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LN: ss
Attachment(s)

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

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

[ ] No objections

[ ] Other comments:

Contact Person: ______________________ Phone: __________

Signed: ______________________ Date: __________
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
# LICENSE SCREEN

[Look up License Type Codes->]

Please click a link listed below to display the other screen.

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***** GENERAL LICENSEE *****

LIC ID: CT-21457  Active/Inactive: ACTIVE
NAME: OASIS WATER SYSTEMS INC
TRADE NAME:  
STATUS: VALID THRU EXPIRATION DATE, RENEWAL NOTICE SENT
ENTITY: CORPORATION  BUSINESS CODE:  
ORIG LIC DATE: 5/19/98  EXPIRE DATE: 9/30/02
CLASS PREFIX: C  SPECIAL PRIVILEGE:  
RESTRICTION:  EDUCATION CODE:  
BUSINESS ADDR:  
MAILING ADDR: P O BOX 535  KILAUEA HI 96754

Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808)587-3295.

<-Back  New Search->
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**EMPLOYEES LIST||EMPLOYERS LIST || INSURANCE/BOND|| LICENSE CLASS**

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Hawaii State homepage || DCCA|| Professional and Vocational Licensing Division

http://www.ehawaiigov.org/serv/pvl?_a=d&_f=n&lictp=CT&licno=21457&off=&nm=OASIS  8/29/2002
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State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

If well construction and/or pump installation

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

1. (a) WELL OWNER: [Information redacted]
   Mailing Address: [Information redacted]
   Fax: [Information redacted]
   E-mail: [Information redacted]
   Contact Person: [Information redacted]

   (b) LAND OWNER: [Information redacted]
   Mailing Address: [Information redacted]
   Fax: [Information redacted]
   E-mail: [Information redacted]
   Contact Person: [Information redacted]

   (c) CONTRACTOR: [Information redacted]
   Mailing Address: [Information redacted]
   Fax: [Information redacted]
   E-mail: [Information redacted]
   Contact Person: [Information redacted]
   Phone: [Information redacted]
   License #: [Information redacted]

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: MAY WELL #1
   Island: KAUAI
   Address: [Information redacted]
   Tax Map Key: 5-1-005-126-0001
   Zone: [Information redacted]
   Sec: [Information redacted]
   Plat: [Information redacted]
   Parcel: [Information redacted]

   (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   (b) a property tax map, showing the location referenced to established property boundaries

3. PROPOSED WORK: (check all that apply)
   • Construct New Well
   • Install New Pump
   • Modify Existing Well
   • Modify Pump
   • Abandon/Seal

   Well/Well No.: [Information redacted]
   Date (If unknown, please call Commission at 587-0225)

4. CONSTRUCTION: [Information redacted]
   • Drilled
   • Dug
   • Shaft
   • Tunnel
   Is this well part of a battery of wells? [ ]Yes [ ]No

5. PROPOSED PUMPING RATE: [Information redacted] gallons per minute

6. PROPOSED USE: (check all that apply)
   • Municipal (including hotels, stores, etc.)
   • Industrial
   • Domestic (individual, noncommercial water system)
   • Irrigation (crop)
   • Livestock
   • Other (explain):
   [Information redacted]
   [Information redacted]
   [Information redacted]

7. (a) PROPOSED AMOUNT OF DRAINAGE: [Information redacted] gallons per day
   (b) METHOD OF FLOW MEASUREMENT: [Information redacted]

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   If Required If required, date approved

   Environmental impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OECG at 588-4185
   If Required If required, date published in OECG bulletin

   Special Management Area Permit (SMAP) To determine if an SMAP is necessary, call 527-6374; on Oahu, call 587-0414; on Maui, call 270-7236; on Kauai, call 241-5677.
   If Required If required, date approved

9. REMARKS, EXPLANATIONS:
   [Information redacted]

NOTE: Signing below indicates the signatory understands and waives that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that approval of this application attaches the following conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 90 days after the abandonment date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of corrective water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work completed prior to the permit suspension may result in fines of up to $50000.

Well Owner
Signature: [Information redacted]
Date: 7/25/02
Contractor
Signature: [Information redacted]
Date: 7/25/02
Landowner
Signature: [Information redacted]
Date: 7/25/02
Other
Signature: [Information redacted]
Date: 7/25/02

For official use only
Latitute __________ Aquifer System No. __________
Longitude __________ State Well No. __________
<table>
<thead>
<tr>
<th>Parcel ID / TMK</th>
<th>Payment Due Date</th>
<th>Prior Year(s)</th>
<th>Current Year</th>
<th>Total</th>
<th>Amount Paid</th>
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<td>988.59</td>
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</table>

**Description**

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<th>Year/Cycle</th>
<th>Tax Due Date</th>
<th>Tax</th>
<th>Penalty</th>
<th>Interest</th>
<th>Other</th>
<th>Total</th>
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</thead>
<tbody>
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<td>08/20/2002</td>
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<td>02/20/2003</td>
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<td>0.00</td>
<td>988.58</td>
</tr>
</tbody>
</table>

**Property Owner:**

Maxwell, John G Jr Trust
Maxwell, Diane R Trust

**Property Address:**

Unit 1

**Lessee:**

**Total:**

1977.17  0.00  0.00  0.00  1977.17

**Note:**

Address change on reverse side.

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**County of Kauai**

Real Property Tax Collection
4444 Rice St, Suite 463
Lihue HI 96766-1326

2002-2003 Real Property Tax Bill

Make check payable to Director of Finance

Please make check payable for real property taxes only.

Note address change on reverse side.