STATE OF HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96806

APPLICATION NO. 0620-06

Pump Installation Permit
Gardner Well (Well No. 0620-06)

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. 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 landowner sign both permit originals and return one for our
files. A copy of your water use report form is enclosed for your use.

Except for the monthly water use report form, please provide copies of all
the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Reports - Parts I & II as complete. Although the Well Completion Report - Part I indicates an initial water level below mean sea level, we believe that the actual initial water level is probably much higher. We understand that the drilling method employed (high pressure air and foam) and geologic formation encountered (brown clay and massive lava flows) made it difficult to determine initial water level until a water zone of sufficient capacity was encountered.

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

Aloha,

Chairperson

Enclosure
Name: Joe Gardner
Company: 
Address: P.O.Box 645
Lawai HI 96765
Telephone No.: 
Fax No.: 
State Well No.: 0620-06
Well Name: Gardner Well
Year: 

INSTRUCTIONS: Please TYPE OR PRINT CLEARLY. Complete this form to report total monthly ground water use, and, if required, other information from each of your well sources. Mail to: Commission on Water Resource Management, P.O. Box 621, Honolulu, HI 96809. For assistance, please call (808) 587-0265.

<table>
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<th>Month</th>
<th>Date (MMDY)</th>
<th>Flow meter (gpm)</th>
<th>Electrical consumption (kwh)</th>
<th>Quantity measured (gallons)</th>
<th>Method of measurement</th>
<th>% Ground water (0% - 100%)</th>
<th>Year (H)</th>
<th>State Well (0620-06)</th>
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</table>

* Flow meter, electrical consumption, weir or flume, not metered (estimated).
** Measurement should be taken while pump is NOT running just prior to a pumping cycle; if measurement is taken while pump is running, please indicate so.

Other comments or additional information (e.g., date and method of chloride measurement, how pumpage amounts are estimated, etc.):

Submitted by (print): ___________________________ Title: ___________________________
Signature: ___________________________ Date: ___________________________
**MESSAGE CONFIRMATION**

**NAME/NUMBER**: 818088225264  
**PAGE**: 5  
**START TIME**: AUG-23-2010 12:26PM MON  
**ELAPSED TIME**: 00' 38"  
**MODE**: STD ECM  
**RESULTS**: [ O.K ]

---

**FACSIMILE TRANSMITTAL**

**To**: Gwendolyn Pielen  
**Company**: Sentryville  
**Fax Number**: (808) 822-5264  
**Phone Number**:  

**From**: Charley Ice  
**Date**: August 23, 2010  
**Pages Including Header**: 5  
**Subject**: Gardner Well Information (Well No. 0620-06)

**Notes/Comments:**  
Joe Gardner asked us to forward this information to you. Please let us know if there is anything else we might help with.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

FACSIMILE TRANSMITTAL

To: Donald Pixler
Company: Century 21
Fax Number: (866) 665-2824
Phone Number:

From: Chaney Ice
Date: August 23, 2010
Pages including Header: 5
Subject: Gardner Well Information (Well No. 0620-06)

Notes/Comments:
Joe Gardner asked us to forward this information to you. Please let us know if there is anything else we might help with.
**State of Hawaii**  
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**Department of Land and Natural Resources**

**WELL COMPLETION REPORT**

2/27/98 WCR Form

**Part I. WELL CONSTRUCTION REPORT**

1. **State Well No.:** 0620-06  
   **Well Name:** Gardner  
   **Island:** Kauai  
   **Location/Address:** Hanalei Road  
   **Tax Map Key:** 4-7-002-011(4)

3. **Drilling Company:** OASIS WATER  
4. **Name of driller who performed work:** Barry Simmons  
5. **Type of rig/construction:** Rotary Top Drive  
6. **Date(s) Well Construction and pump tests (if any) completed:** June 2000

7. **GROUND ELEVATION** (referred to mean sea level, msl): 137.04 ft.  
   **Well Bench Mark (description/location):** see Attached  
   **Elevation(msl):** 134.80 ft.

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

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
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(If more space is needed, continue on back)

9. **Total depth of well below ground:** 275 ft.

10. **Hole size:** 14 inch dia. from 0 ft. to 275 ft. below ground

11. **Casing installed:** 6 in. I.D. x 3/8 in. wall solid section to 235 ft. below ground

12. **Casing Material/Slot Size:** PVC sch 40

13. **Annulus:** Grouted from 0 ft. below ground to 150 ft. below ground

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

14. **Initial water level:** 159 ft. below ground.  
   **Date and time of measurement:** June 2000

15. **Initial chloride:** 48 ppm  
   **Date and time of sampling:**

16. **PUMPING TESTS:** Reference Point (R.P.) used: Top of casing, which elevation is 138.91 ft.

   (1) Step-Drawdown Test Date  
   (2) Long Term Aquifer Test Date

   **Start water level:** 120 ft. below R.P.  
   **End water level:** 120 ft. below R.P.

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

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

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

---

**Well Drilling Contractor (print):** OASIS WATER  
**C-57 Lic. No.:** 21457  
**Signature:**  
**Date:** July 14, 2000

**Surveyor (print):** see attached  
**Signature:**  
**Lic. No.:**  
**Date:**

**Applicant (print):** Joe J. Gardner  
**Signature:**  
**Date:** July 14, 2000
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: OASIS WHITE

21. Name of person performing work: SAFETY SUMMER

22. Date Pump Installation Completed: June 2000

23. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: SubGrundfos Bako16015
   - Motor type, H.P., Voltage, rpm: Franklin 3he 2309 3450
   - Capacity: 25 gpm
   - Depth of Pump Intake Setting: 235 ft. below ground
   - Depth to bottom of airline: same ft. below ground
   - Pumping Head is 120 ft.
   - Type of flow meter: open which measures in 64165

24. As-built drawings attached? Yes

25. Other remarks/comments: (See below)
   Pump Installation Contractor print: OASIS WHITE C-57 Lic. No. 21457
   Date: July 14, 2002
   Applicant (print): JOE J. GARDNER
   Date: July 14, 2002

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

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<th>Depths (ft.)</th>
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<td>270 to 275</td>
<td>broken blue cinders (water zone)</td>
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19. & 25. Remarks:

0620-06 GARDNER
Joe Gardner asked us to forward this information to you. Please let us know if there is anything else we might help with.
### WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT APPLICATIONS

**Permit Type:** Both  
**Well No:** 0620-06  
**Owner:** Gardner  
**Location:** Kauai  
**Date:** 12/29/1999  
**Proposed Pump Capacity:** 15 ft³/s  
**Proposed Use:** DOM  
**Well Owner:** Joe J. Gardner  
**Contact:** 808-382-8784  
**Landowner:** Same  
**Contact:** 1978  
**Driller License:** C-21457-68  
**Pump Installer License:** C-21457-68  
**Surveyor License:** 9149  

**Application for Permit:**  
- **Date:** 12/29/1999  
- **Well Construction Permit:** 2/3/2000  
- **Pump Installation Permit:** 8/14/2000  
- **Date:** 3/28/2000  
- **Well Construction Permit:** 6/2/2000  
- **Pump Installation Permit:** 6/3/2000  
- **Date:** 1/3/2000  
- **Well Construction Permit:** 7/19/2000  
- **Pump Installation Permit:** 7/27/2000  
- **Date:** 1/31/2000  
- **Well Construction Permit:** 7/27/2000  
- **Pump Installation Permit:** 7/27/2000  

**Setup:**  
- **Date:** 2/21/2000  
- **Well Construction Permit:** 7/27/2000  
- **Pump Installation Permit:** 7/27/2000  

**Completion:**  
- **Date:** Yes  
- **Well Construction Permit:** Yes  
- **Pump Installation Permit:** Yes  

**Background Check:**  
- **Date:** 4/7-002-011  

**Notes:**
### State of Hawaii Well Index

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**WCR 1 Check for Well No. 0620-06 (survey to regulation memo)**

1. **Pump Tests Check** Glenn Bauer (initial)  
   - **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 most probable stream

2. **Construction Check** Mitch Ohye (initial)  
   - data complete □ □
   - followed WCPI Stds □ □
   - well database updated □ □

3. Charley/Renée/Ryan (initial) take action based on above analysis

4. Roy (initial) check

5. Susan Subia (initial) finalize

6. Linnel (initial) signature

7. Charley/Renée/Ryan File
Called Steve Goldberg to let him know that we need the completion date for WCs & PIs (i.e., mm/dd/yy) on all WCRs. He said OK. For the ones that he just turned in, he gave me these dates:
6/3/00 (0620-06 Gardner Well) /
5/15/00 (0620-04 Reasoner Well) /
6/21/00 (1120-29 Bacon Trust Well)
# WELL COMPLETION REPORT

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

Instructions: Please print or type and submit completed report within 60 days after well completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225, or 1-800-468-4644 Extension 70225.

## 1. State Well No.: 0620-06

<table>
<thead>
<tr>
<th>Location/Address: Hauaala Road</th>
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</thead>
</table>

| Island: Kauai |

| Tax Map Key: 4-7-002-011(4) |

## Part I. WELL CONSTRUCTION REPORT

<table>
<thead>
<tr>
<th>3. Drilling Company: OASIS WATER</th>
</tr>
</thead>
</table>

| 4. Name of driller who performed work: Barry Simmons |

| 5. Type of rig/construction: Rotary Top Drive |

| 6. Date(s) Well Construction and pump tests (if any) completed: June 2000, 06-3-00 |

| 7. GROUND ELEVATION (referenced to mean sea level, msl): 137.04 ft. |

| Well Bench Mark (description/location): See Attached Sheet |

| Elevation (msl): 134.80 ft. |

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

| Depths (ft.) Rock Description, Water Level, Dates, etc. |

| 9. Total depth of well below ground: 275 ft. |

| 10. Hole size: 14 inch dia. from 0 ft. to 275 ft. below ground |

| 11. Casing installed: 6 in. I.D. x 3/8 in. wall solid section to 275 ft. below ground |

| Casing Material/Slot Size: PVC sch. 40 1/4 |

| 12. Annulus: Grouted from 0 ft. below ground to 150 ft. below ground |

| 13. Initial water level: 159 ft. below ground. |

| 14. Initial chloride: 48 ppm |

| 15. Initial temperature: 70.5°F |

| 16. PUMPING TESTS: Reference Point (R.P.) used: Top of casing, which elevation is 138.91 ft. |

| (1) Step-Drawdown Test Date |

| (2) Long-term Aquifer Test Date |

| Start water level 120 ft. below R.P. |

| Start water level 120 ft. below R.P. |

| End water level 120 ft. below R.P. |

| End water level 120 ft. below R.P. |

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

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

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

| Well Drilling Contractor (print): OASIS WATER |

| C-57 Lic. No. 21457 |

| Signature |

| Date July 14, 2000 |

| Surveyor (print): Sec. Attached |

| Lic. No. |

| Signature |

| Date |

| Applicant (print): Joe J Gardner |

| Date July 14, 2000 |
PART II.  
(PERMENANT) PUMP INSTALLATION REPORT

20. Pump Installation Company:  
OASIS WATER

21. Name of person performing work:  
DARBY SUMMER

22. Date Pump Installation Completed:  
June 2000

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: SUBGROUNDFOR BOSS10015  
   Capacity: 25 gpm
   Motor type, H.P., Voltage, rpm: Franklin 3hp 230v 3450
   Depth of Pump Intake Setting  235 ft. below ground  
   Depth to bottom of airline  same ft. below ground
   Pumping Head is 120 ft. Type of flow meter: open which measures in gallons

24. As-built drawings attached attached?  
   Yes  No

25. Other remarks/comments:  (See below)

---

Pump Installation Contractor print:  
OASIS WATER C-57 Lic. No. 21457

Signature  
Date  July 14, 2000

Applicant (print):  
K. JOE J. GARDNER

Signature  
Date  July 14, 2000

---

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

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
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<td>Clay</td>
</tr>
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<td>15 to 20</td>
<td>Rock Builder</td>
</tr>
<tr>
<td>20 to 30</td>
<td>Clay</td>
</tr>
<tr>
<td>30 to 40</td>
<td>Clay</td>
</tr>
<tr>
<td>40 to 60</td>
<td>Blue Rock</td>
</tr>
<tr>
<td>60 to 80</td>
<td>Broken Blue</td>
</tr>
<tr>
<td>80 to 105</td>
<td>Blue Rock</td>
</tr>
<tr>
<td>105 to 115</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>115 to 130</td>
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<tr>
<td>140 to 150</td>
<td>Blue Rock</td>
</tr>
<tr>
<td>150 to 182</td>
<td>Cinder, Broken Blue (water zone)</td>
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<tr>
<td>182 to 205</td>
<td>Blue Rock</td>
</tr>
<tr>
<td>205 to 232</td>
<td>Cinder, water zone</td>
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<tr>
<td>232 to 238</td>
<td>Blue Rock</td>
</tr>
<tr>
<td>238 to 250</td>
<td>Cinder, water zone</td>
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<tr>
<td>250 to 262</td>
<td>Broken Blue, a Cinder</td>
</tr>
<tr>
<td>262 to 270</td>
<td>Blue</td>
</tr>
<tr>
<td>270 to 275</td>
<td>Broken Blue, Cinder, water zone</td>
</tr>
</tbody>
</table>

19. & 25. Remarks:  
0620-06 GARDNER
WELL ELEVATION

WELL # 0620-06

OWNER: J. GARDNER

T.M.K.(4)4-7-02:11

BENCH MARK USED: WELL SITE #0620-04 ELEVATION OF 134.80
Ground Elevation 137'

Solid Casing 235' 6" PVC

Dia. Grouted Bore Hole 14"

Grouted Bore Hole

Dia. Bore Hole 14"

Perforated Casing 40' 6" PVC

Top of Casing 275' 277'
Oasis Water Systems, Inc.
P.O. BOX 535
KILAUEA, HI 96754
Phone: 808-828-6876

June 3, 2000

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

Dear Sir,

Please be advised that Oasis Water, Inc. License No. C-21457, has finished work on the Anahola Well 0918-02, Sunburst Equities Well 1324-01, Bacon Family Trust Well 1120-29. I will be forwarding the Well Completion reports on these well in the next few weeks along with the report on the Ryan Reasoner well # 0620-04 & Sustainable Kauai well # 1 (temporarily misplaced). We will begin work on the Gardner Well #0620-06 in the next few weeks.

Sincerely,

Steve Goldberg
Oasis Water Inc. C-21457
WELL CONSTRUCTION PERMIT
Gardiner Well, Well No. 0820-06

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-1B6, entitled “Water Use, Wells, and Stream Diversion Works”, this document permits the construction and testing of Gardiner Well, Well No. 0820-06 at Kaahale Road, Lot 8, Kaaialik, T2N 4-F-002-011(4), subject to the Hawaii Well Construction & Pump Installation Standards (1979) 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 96823, shall be notified in writing at least ten (10) weeks before any work authorized by the permit commences and staff shall be allowed to inspect construction activities in accordance with 13-1B6-10, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed in a manner acceptable to the Chairperson, to accurately record water levels. The permits shall coordinate with the Chairperson and develop a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permits that 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 the event of a period of time exceeding one-fourth (1/4) of the theoretical thickness of the basalt ground water unless otherwise authorized by the Chairperson.

4. The permits shall incorporate mitigation measures to prevent construction damages to entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to remove all 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 permit holder shall stop work and contact the Department of Hawaii's Division of Parks and Recreation. If 24 hours prior to the start to the Chairperson the delay, the delay shall not constitute a determination of complete water rights.

6. The following shall be submitted to the Chairperson within thirty (30) days after completion of work:
   b. Elevation (preferred to raw data level, net) survey by a Hawaii licensed surveyor.
   c. A site plan showing the exact location of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test results, including time, pumping rate, drawdown, chloride content, and other data.

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

8. The well construction permit application is incorporated into the permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (February 1997, WACPS). If the WACPS are not followed and as a consequence water is wasted or contaminated use of this permit may result.

9. 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 cause and good faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

10. If the well is not as is used it must be properly capped, if the well is to be abandoned then the permit holder must apply for a well abandonment permit in accordance with 13-1B6-120 prior to any well sealing or plugging work.

11. 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, officials, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: January 31, 2000
Expiration Date: January 31, 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 do not hold a valid permit until I and the driller have signed, listed, 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 at the commencement of the permit.

Permittee's Signature: [Signature]
Printed Name: GEORGE GARDNER Firm or Title:
Driller's Signature: [Signature]
Printed Name: BARRY W. SIMMS Firm or Title: Oasis Water Systems Inc.

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, Wester Water, and Clean Water Branches
Kauai Department of Water Supply
Joe J. Gardner
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754  

Dear Mr. Goldberg:  

Pump Installation Permit  
Gardner Well (Well No. 0620-06)  

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. 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 landowner sign both permit originals and return one for our files. A copy of your water use report form is enclosed for your use.  

Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.  

Finally, this letter is notice that we have accepted your Well Completion Reports - Parts I & II as complete. Although the Well Completion Report – Part I indicates an initial water level below mean sea level, we believe that the actual initial water level is probably much higher. We understand that the drilling method employed (high pressure air and foam) and geologic formation encountered (brown clay and massive lava flows) made it difficult to determine initial water level until a water zone of sufficient capacity was encountered.  

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

Aloha,  

TIMOTHY E. JOHNS  
Chairperson  

Enclosure
In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Gardner Well (Well No. 0620-06) at Hauuula Rd., Lot 6, Kauai, TMK 4-7-002-011(4), 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 25 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 an annual basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, 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: July 27, 2000
Expiration Date: July 27, 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 pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

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

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

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

Attachments:
- USGS
- Department of Health/ Safe Drinking Water & Wastewater Branch
- Kauai Department of Water Supply
- Joe J. Gardner
Mr. Steve Goldberg
Oasis Water Systems
P.O. Box 535
Kilauea, HI 96754

Dear Mr. Goldberg:

Well Construction Permit
Gardner Well (Well No. 0620-06)

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. Standard Conditions 2 and 7.e. are waived.

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 validated well construction permit.

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

**IMPORTANT** - Drilling work may not proceed without a validated permit returned to the Commission. Please provide all the information in this packet to your well drilling contractor. The permittee is 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 the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Aloha,

[Signature]

TIMOTHY E. JOHNS
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT
Gardner Well, Well No. 0620-06

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 Gardner Well (Well No. 0620-06) at Haunala Road, Lot 5, Kauai, TMK 4-7-002-011(4), 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 one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee 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 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 shall stop work and contact the Department's Historic Preservation Division (692-8015) 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 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, 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 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 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: January 31, 2000
Expiration Date: January 31, 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 do not hold a valid permit 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
Joe J. Gardner
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>KAUAI</th>
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</thead>
<tbody>
<tr>
<td>Aquifer System</td>
<td>LIHUE</td>
</tr>
<tr>
<td>Aquifer Sector</td>
<td>ANAHOLA</td>
</tr>
</tbody>
</table>

**Proposed Use**
- Domestic

**Proposed Withdrawal**
- 2000

**System Sustainable Yield**
- 36

**SECTION 2: WELL SECTION DATA**

(enter data in grey cells only)

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>Solid Casing</th>
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<tbody>
<tr>
<td>Ground Elevation</td>
<td>Material</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>Designation</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>Length</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>Diameter</td>
</tr>
<tr>
<td>Total Depth</td>
<td>Wall Thickness</td>
</tr>
</tbody>
</table>

| Estimated Head             | 7380 ft.     |
| Calculated Aquifer Thickness | 20 ft., m.s.l. |
| County Water Supply (Y/N ?) | YES          |

**SECTION 3: CHECKLIST**

(values to check are shaded)

**Well Depth**

- Theoretical Thickness of Aquifer: 7380 ft.
- 1/4 Aquifer Thickness: 1845 ft.
- Depth of Well below Sea Level: 10 ft., okay (refer to HWCPIS Section 2.2)

**Well Casing**

- Minimum Wall Thickness
  - Material: PVC
  - County or Non-County: non-county
  - Minimum Thickness per standards: 0.280 in.
  - Wall Thickness Provided: 0.280 in., okay (refer to HWCPIS Section 2.4 c)

- Minimum Length of Solid Casing
  - 90% of ground to top of aquifer: 36 ft.
  - Length of solid casing Provided: 152 ft., okay (refer to HWCPIS Section 2.4 d)

- Casing Material: Sch 40, okay (refer to HWCPIS Section 2.4 e)

- Annular Space: If the cell above reads #N/A, reference HWCPIS

- Depth of Grouting
  - Calculated Depth of Grouting: 28 ft.
  - Depth of Grouting provided: 126 ft., okay (refer to HWCPIS Section 2.6 c)
  - Thickness of Annular Space: 4.25 in., okay (refer to HWCPIS Section 2.6 d)
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 Permit Application
Gardner Well (Well No. 0620-06)

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 January 28, 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 Lenore Nakama of the Commission staff at 587-0218.

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: Lori N. Kajiwara
Phone: 586-4246

Signed: Lori N. Kajiwara
Date: 1-20-2000
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 Permit Application  
Gardner Well (Well No. 0620-06)

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 January 28, 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 Lenore Nakama of the Commission staff at 587-0218.

---

RESPONSE:

1. 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.

2. 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.

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 spigots 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 is not located near the proposed well site (information attached).

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

7. No comments/objections

Contact Person: William Wong  
Phone: 586-4258

Signed: William Wong  
Date: 01/18/00
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, Chapter 11-55, 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: Dean Y. Uchida, Administrator
   Land Division
FROM: Linnel T. Nishioka, Deputy Director
       Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
         Gardner Well (Well No. 0620-05)

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 with regard to the programs,
plans, and objectives specific to your division. Specifically, Item 9 on the application has
been added per your request concerning water lease/permits administered by your division. Please
respond by returning this cover memo form by January 28, 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 Lenore Nakama of the Commission staff at 587-0218.

LN: ss
Attachment(s)

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

xox 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

xox Other comments: Original source of title is Land Commission Award 11216:6 issued between 1845 and 1850.

Contact Person: Gary Martin          Phone: 587-0421
Signed: ____________________________ Date: JAN 13 2000
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. 0620-06**

We acknowledge receipt, on December 29, 1999, of your completed well construction/pump installation permit application for the Gardner Well (Well No. 0620-06). 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, extension 70218.

Sincerely,

[Signature]

LINNEL T. NISHIOKA  
Deputy Director

LN:ss  
c: Joe Gardner
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 Permit Application
   Gardner Well (Well No. 0620-06)

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 January 28, 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 Lenore Nakama of the Commission staff at 587-0218.

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, §11.20-28:

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: __________________________ 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  
     Gardner Well (Well No. 0620-05)  

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 with regard to the programs, plans, and objectives specific to your division. Specifically, Item 9 on the application has been added per your request concerning water lease/permits administered by your division. Please respond by returning this cover memo form by January 28, 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 Lenore Nakama of the Commission staff at 587-0218.

LN:ss  
Attachment(s)  

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

Contact Person: __________________________  Phone: __________________________  
Signed: __________________________  Date: __________________________
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REMARKS:  
LINE (1) Well No. 0620-05  
LINE (2)  
LINE (3)  
LINE (4)
### Well Background Check

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<td>C-21457-58</td>
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*Note: Handwritten cancellations on Pump Installation dates.*

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**Monday, January 03, 2000**
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. (Also, please check our website at - http://www.hawaii.gov/dlnr/dwrm/dwrm.html)

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

1. (a) WELL OWNER: JOE J. GALLERY Mailing Address: PO. BOX 645, 20-011 HAWAI'I 96765 Contact Person: Phone:
   
(b) LAND OWNER: SAME
   
(c) CONTRACTOR: DAZIS WATER Mailing Address: PO. BOX 555, 20-011 HAWAI'I 96765 Contact Person: STEVE GALLER Y Phone: 808-826-6876

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

2. WELL LOCATION/NAME: HAUAI'I RD 106/ GARDEN ISLAND
   Address: HAUAI'I RD 106 Phone: 808-826-6876
   Tax Map Key: 4-7002-011(4)

Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1"=24,000), and (b) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK: (Check all that apply)
   · Drill New Well
   · Deepen
   · Install New Pump
   · Modify Existing Well
   · Redrill
   · Modify Pump
   · Abandon/Seal
   · Replace Pump
   · Well No.: __________ Be sure to complete and submit well abandonment report upon completion of work.

4. CONSTRUCTION:
   · Dug
   · Bored
   · Driven
   · Drilled
   · Existing Well
   · Redrill
   · Modify
   · New
   · Reuse
   · Yes
   · No
   Is this well a part of a battery of wells?

5. PROPOSED PUMP INFORMATION: Rated Pump Capacity: _____ gallons per minute
   (Check all that apply)
   · Deep Well Turbine
   · Submersible
   · Centrifugal
   · Rotary
   · Rotary-Displacement
   · Rotary-Gear
   · Propeller
   · Reciprocating
   · Impulse
   
6. PROPOSED USE: (Check all that apply)
   · Municipal (including hotels, stores, etc.)
   · Industrial
   · Irrigation (crop)
   · Military
   · Domestic (individual, noncommercial water system)
   · No. of Dwelling Units:
   · No. of Acres:
   · Other (explain):
   
7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 2,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT: Flowmeter

OTHER IMPORTANT INFORMATION:

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

9. If a pump installation permit request is part of this application, please answer the following:
   · THE LANDOWNER CERTIFIES THAT THE SUBJECT PROPERTY, OR A PORTION THEREOF, WAS OR WAS NOT A STATE OF HAWAII LAND PATENT GRANT ISSUED AFTER 1960. (Please check with your title search company or the Land Division, Department of Land and Natural Resources at 587-0414 for help.)

10. REMARKS, EXPLANATIONS:
   (If more space is needed, please attach additional sheet)

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 30 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: JOE J. GALLERY
Landowner: J. GALLER
Contractor: DAZIS WATER

Signature: 
Date: 12-10-99

Field Checked By: __________
Longitude: __________
Aquifer System Name: 
Date: __________
Latitude: __________
State Well No: 08/20-02
9. PROPOSED WELL SECTION

Elevation at top of casing (Survey to nearest 0.01 ft.)

Minimum of 2' Radius & 4" Thick Concrete Pad

Ground Elevation: 220 ft., msl*

Minimum annular space between hole and casing ≥ 3"

Cement Grout: 126 ft.

Total Depth 236 ft.

Rock or Gravel Packing 04 ft.

Material: □ Crushed Basalt □ Rounded Gravel

Water Level Elevation: 180 ft., msl*

Minimum of 2' Radius & 4" Thick Concrete Pad

Hole Diameter: __________ ft., msl*

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to assure that your construction plans are in compliance with all existing regulations.

Solid Casing:

Material: (check one): □ PVC □ Steel

Material Standard: □ ASTM A409 □ ASTM A312

Schedule: □ Schedule 40 □ Schedule 80


Water Level Elev. = (90% x (Ground Elevation - Water Level Elev.))

Length: 240 ft. 3 in.

Diameter: 4 in.

Wall Thickness: 0.215 in.

Bottom Elevation: 335 ft., msl*

Open Casing:

Material: □ PVC □ Steel

Material Standard: □ ASTM A409 □ ASTM A312

Schedule: □ Schedule 40 □ Schedule 80


Water Level Elev. = (90% x (Ground Elevation - Water Level Elev.))

Length: 240 ft. 3 in.

Diameter: 4 in.

Wall Thickness: 0.215 in.

Bottom Elevation: 335 ft., msl*

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

Bottom Elevation of Well Limit = (Water Elevation - 41 ft. Water Level Elev.)


Water Level Elev. = (90% x (Ground Elevation - Water Level Elev.))

Length: 240 ft. 3 in.

Diameter: 4 in.

Wall Thickness: 0.215 in.

Bottom Elevation: 335 ft., msl*

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

Solid Casing Material:

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 □ ASTM A312

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

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:

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 □ ASTM A312

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

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□ 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
May 21, 1997

MR JOE J GARDNER
98-573 KAAMILO ST
AIEA HI 96701-4402

ESCROW NO: 974010068
SELLER: LINDA KANAREK, AS SOLE SUCC TR
BUYER: GARDNER, JOE J
PROPERTY: HAUAALA RD
LOT 6

Dear Client:

We are forwarding to you the following documents relative to the above mentioned transaction, which were recorded at the Bureau of Conveyances and/or filed at the Land Court of the State of Hawaii.

1. POLICY OF TITLE INSURANCE

Thank you for the opportunity to have been of service.

Mahalo,

Amy A. Silva
Escrow Officer

AAS:vrg
Enclosures
SCHEDULE C

The land referred to in this policy is described as follows:

All of that certain parcel of land (being portion(s) of the land(s) described in and covered by Royal Patent Number 5680, Land Commission Award 11216, Apana 6 to M. Kekauonohi) situate, lying and being on the west side of Government Road (Valley House Road) at Kealia, Island and County of Kauai, State of Hawaii, being LOT 6 of the "VALLEY HOUSE TRACT", and thus bounded and described as per survey of Marcellino P. Correa, Registered Professional Surveyor, dated February 10, 1970, to-wit:

Beginning at the northeast corner of this parcel of land, on the west side of Government Road (Valley House Road), being also the southeast corner of Lot 5, the coordinates of which referred to Government Survey Triangulation Station "KEA" being 1,003.06 feet north and 8,423.72 feet west, and running by azimuths measured clockwise from true South:

1. $11^\circ \ 02'$ 70.00 feet along the west side of Government Road;
2. $6^\circ \ 17'$ 30.94 feet along the west side of Government Road;
3. $107^\circ \ 47'$ 257.13 feet along remainder of L.C. Aw. 11216, Apana 6 to M. Kekauonohi (Lot 7);

Thence along the east side of old railroad right-of-way, on a curve to the left with a radius of 612.00 feet, the chord azimuth and distance being: