STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 521
HONOLULU, HAWAII 96806

AUG 14 2000

Pump Installation Permit
Moshe Well (Well No. 1120-29)

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
PUMP INSTALLATION PERMIT
Moshe Well, Well No. 1120-29

In accordance with the Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversions Acts", this document permits the pump installation to Moshe Well (Well No. 1120-29) at 7200B Koolau Rd., Kualis, TMK 4-8-011-008, subject to the Hawaii Department of Water Supply's Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson who submitted the Permit Application (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two weeks before any work is done. The permit commencement and staff shall be allowed to inspect the installation of the pump installation shall be for installation of a 40 ppm capacity, or less, in the well.

2. The permitted 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, in forms provided by the Chairperson.

3. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established stream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of the quantity of water taken, from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

4. The 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. However, the work proposed in this 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 the pumping, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

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

6. 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 by the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

7. 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: D.C. Barnes
Printed Name: Russell D. Barnes

Installer's Signature: D.C. Barnes
Printed Name: Russell D. Barnes

Firm or Title: Oasis Water

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

Attachments:
- D.C. Barnes
  Department of Health's Safe Drinking Water & Wastewater Branch
  Russell D. Barnes, Director
  Janet Bacon, Administrative Assistant
WELL ELEVATION
WELL # 1120-29

OWNER: BACON FAMILY TRUST

T.M.K.(4)-9-011:09-B

BENCH MARK USED: + ON ABUTMENT OF WAIKALU BRIDGE UPSTREAM SIDE HAVING AN ELEVATION OF 247.47' M.S.L. INFORMATION PROVIDED BY STATE HIGHWAYS DIVISION.

PETER N. TAYLOR
LICENSED PROFESSIONAL LAND SURVEYOR
No. 9149

8-7-2000
WELL ELEVATION
WELL # 1120-29

OWNER: BACON FAMILY TRUST
T.M.K.(4)4-9-011:09-B

BENCH MARK USED: ± ON ABUTMENT OF WAIKALUA BRIDGE UPSTREAM SIDE HAVING AN ELEVATION OF 247.47 M.S.L. INFORMATION PROVIDED BY STATE HIGHWAYS DIVISION.
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754  

Dear Mr. Goldberg:

Pump Installation Permit  
Moshe Well (Well No. 1120-29)

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
PUMP INSTALLATION PERMIT
Moshe Well, Well No. 1120-29

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 Moshe Well (Well No. 1120-29) at 7200B Koolau Rd., Kauai, TMK 4-8-011-009, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/87) 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 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 (1/23/87). 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: __________________ 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
Russell and Janet Bacon
<table>
<thead>
<tr>
<th><strong>WCR 1 Check for Well No. 1120-29</strong> (survey to regulation memo)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Pump Tests Check</strong> Glenn Bauer (initial)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Step-Drawdown Test:</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>analysis attached</td>
</tr>
<tr>
<td>proposed pump cap o.k.</td>
</tr>
<tr>
<td>Aquifer Pump Test:</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>T &amp; S analysis attached</td>
</tr>
<tr>
<td>Well Interference:</td>
</tr>
<tr>
<td>estimated Steady-State drawdown at 1-mile radius is ______ ft.</td>
</tr>
<tr>
<td>analysis attached</td>
</tr>
<tr>
<td>Stream Surface Water Impacted:</td>
</tr>
<tr>
<td>If yes, identify most probable stream</td>
</tr>
<tr>
<td>2. Construction Check Mitch Ohye (initial)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>data complete</td>
</tr>
<tr>
<td>followed WCPI Stds</td>
</tr>
<tr>
<td>well database updated</td>
</tr>
<tr>
<td>3. Charley Lenore/Ryan (initial) take action based on above analysis</td>
</tr>
<tr>
<td>4. Roy (initial) check</td>
</tr>
<tr>
<td>5. Susan Subia (initial) finalize</td>
</tr>
<tr>
<td>6. Linnel (initial) signature</td>
</tr>
<tr>
<td>7. Charley Lenore/Ryan File</td>
</tr>
</tbody>
</table>
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

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

**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 70229.

## 1. State Well No.: 1120-29  
Well Name: Bacon Family Trust  
Island: Kauai

## 2. Location/Address: 7200 B Koolau Road  
Tax Map Key: 4-9-011:009

### PART I. WELL CONSTRUCTION REPORT

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Drilling Company:</td>
<td>OASIS WATER</td>
</tr>
<tr>
<td>4. Name of driller who performed work:</td>
<td>R. S. Simmons</td>
</tr>
<tr>
<td>5. Type of rig/construction:</td>
<td>Rotary Tophead</td>
</tr>
<tr>
<td>6. Date(s) Well Construction and pump tests (if any) completed:</td>
<td>MA 7-2000</td>
</tr>
<tr>
<td>7. GROUND ELEVATION (referenced to mean sea level, msl):</td>
<td>94 ft.</td>
</tr>
<tr>
<td></td>
<td>Well Bench Mark (description/location):</td>
</tr>
<tr>
<td></td>
<td>Elevation (msl):</td>
</tr>
<tr>
<td>8. DRILLER'S LOG:</td>
<td>Please attach geologic log (if available or if required by permit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>to D U R E</td>
<td>to</td>
</tr>
</tbody>
</table>

(If more space is needed, continue on back.)

| 10. Hole size: | 14 inch dia. from 0 ft. to 445 ft. below ground |
|   | inch dia. from ft. to ft. below ground |
|   | inch dia. from ft. to ft. below ground |
| 11. Casing installed: | 6 in. I.D. x 3/8 in. wall solid section to 385 ft. below ground |
|   | 6 in. I.D. x 3/8 in. wall perforated section to 445 ft. below ground |
| 12. Annulus: | Grouted from 0 ft. below ground to 200 ft. below ground |
|   | Gravel packed from ft. below ground to ft. below ground |
| 13. Initial water level: | 280 ft. below ground |
| 15. Initial temperature: | 70°F |
| 16. PUMPING TESTS: Reference Point (R.P.) used: | TopoPointings, which elevation is 298.61 ft. |
|   | (1) Step-Drawdown Test Date — (2) Long-term Aquifer Test Date |
|   | Start water level 280 ft. below R.P. |
|   | Start water level ft. below R.P. |
|   | End water level 280 ft. below R.P. |
|   | End water level 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

**Surveyor (print):** See Attached  
Lic. No.

**Signature:**  
Date

**Applicant (print):** Darren Hayes  
Date 6-20-00

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*Handwritten notes and signatures.*
### PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: **OASIS WATER**
21. Name of person performing work: **Barry Simmons**
22. Date Pump Installation Completed: **July 11, 2000**

23. PUMP INSTALLATION:
   - **Pump Type, Make, Serial No.:** Grundfos sub 255.52.26
   - **Capacity:** 30 gpm
   - **Motor type, H.P., Voltage, rpm:** Sub Shop 240 & 3450
   - **Depth of Pump Intake Setting:** 482 ft. below □ ground □ well bench mark
   - **Depth to bottom of airline:** □ ft. below □ ground □ well bench mark
   - **Pumping Head is:** 340 ft. Type of flow meter: open pipe which measures in GALLONS

24. As-built drawings attached? **Yes** □ No □

25. Other remarks/comments: (See below)

---

Pump Installation Contractor (print): **OASIS WATER** C-57 Lic. No. 2-1457
Signature: [Signature]
Date: **June 20, 2000**

Applicant (print): [Signature]
Date: 

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

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, Dates, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 to 120</td>
<td>RED CLAY SOIL</td>
</tr>
<tr>
<td>120 to 132</td>
<td>GRAY SHALE RED CLAY</td>
</tr>
<tr>
<td>132 to 146</td>
<td>BROWN BLUE ROCK</td>
</tr>
<tr>
<td>146 to 174</td>
<td>BROWN MUD ROCK</td>
</tr>
<tr>
<td>174 to 230</td>
<td>BROWN &amp; RED CLAY</td>
</tr>
<tr>
<td>230 to 260</td>
<td>GRAY SHALE &amp; CINDERwä SSDR MUD</td>
</tr>
<tr>
<td>260 to 272</td>
<td>BLUE ROCK</td>
</tr>
<tr>
<td>272 to 295</td>
<td>RED CLAY &amp; BROKEN BLUE</td>
</tr>
<tr>
<td>295 to 317</td>
<td>CINDERwä SSDR MUD &amp; BROKEN BLUE</td>
</tr>
<tr>
<td>317 to 323</td>
<td>BLUE ROCK</td>
</tr>
<tr>
<td>323 to 339</td>
<td>BROWN CLAY RED SHALE</td>
</tr>
<tr>
<td>339 to 381</td>
<td>BLUE ROCK</td>
</tr>
<tr>
<td>381 to 389</td>
<td>BROKEN BLUE ROCK</td>
</tr>
<tr>
<td>389 to 401</td>
<td>BROKEN BLUE ROCK</td>
</tr>
<tr>
<td>401 to 440</td>
<td>BROKEN BLUE SAND &amp; CINDERwä SSDR MUD</td>
</tr>
<tr>
<td>440 to 495</td>
<td>BLUE ROCK</td>
</tr>
</tbody>
</table>

---

19. & 25. Remarks:

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As Built Drawing Well # Bacon Family Trust 1120-29

Ground Elevation 266.88
Solid Casing 385' 6" PVC
Dia. Grouted Bore Hole 14"
Grouted Bore Hole
Dia. Bore Hole 14"
Perforated Casing 60' 6" PVC

Top of Casing

200'
445'
447'
WELL ELEVATION
WELL # 1120-29

OWNER: BACON FAMILY TRUST

T.M.K. (4) 4-9-011:09-B

BENCH MARK USED: WELL SITE #1120-27 ELEVATION OF 281.80
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 # I( 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
Bacon Family Trust Well, Well No. 1120-29

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 Bacon Family Trust Well (Well No. 1120-29) at 7200 B Koolau Road, Kualoa, TMK 4-8-491-1505, subject to the Hawaii Well Construction & Pump Installation Standards (1326-7) 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 96808, 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 withdrawn 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 shale or charcoal are encountered during construction, the permittee shall stop work and contact the Department’s Historic Preservation Division (682-5015) 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, 1987, HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson at least six (6) months before the expiration date. 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(g) 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: December 20, 1999
Expiration Date: December 20, 2001

TIMOTHY E. JOHNSTON, 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 suspension and fines of up to $1000 per day starting from the permit date of approval.

Date: 1/12/99
Permittee’s Signature: Janet N. Bacon
Printed Name: Janet N. Bacon
Firm or Title: Trustee

Driller’s Signature: M. K. Dollas
Printed Name: M. K. Dollas
C-57 License #: 21457
Date: 9-7-00
Firm or Title: Oasis Water VP

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
Russell C. Bacon and Janet N. Bacon, Trustees  
Bacon Family Trust  
P.O. Box 1151  
Kilauea, HI 96754

Dear Mr. and Ms. Bacon:

Well Construction Permit Transfer and Extension  
Bacon Family Trust Well (Well No. 1120-29)

Enclosed are two (2) copies of your approved and extended 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 extension 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. Except for salt-water wells, any well constructed in basal aquifers for the purpose of nonpotable or potable water withdrawal shall be initially designed and pump tested at a depth below sea level not exceeding one-fourth of the theoretical thickness (41 times the head) of the basal ground-water body, unless authorized by the chairperson.

3. The wall thickness of well casing shall be selected in accordance with good design practices applied with due consideration to conditions at the site of the well and shall be sufficient to withstand anticipated formation and hydrostatic pressures imposed on the casing during its installation, grouting, well development, and use. The minimum wall thickness of carbon-steel casings in wells shall conform to the Hawaii Well Construction and Pump Installation Standards (January, 1997).

4. The casing material shall conform to the requirements in Hawaii Well Construction and Pump Installation Standards (January, 1997).

5. To prevent surface contamination, the annular space of all cased non-artesian wells (except monitor wells designed for immediate and short-term monitoring purposes and subsequent abandonment) must be sealed with grout from the ground surface to a minimum depth of 500 feet or 70% of the vertical distance between the ground surface and the top of the aquifer selected for exploration, long-term monitoring, or development, whichever depth is less. Artesian wells shall be considered on a case-by-case basis. Salt-water wells shall be grouted through the entire fresh and brackish portion of the basal lens.
6. The annular space of wells to be grouted must be a minimum of three inches all around the casing to permit effective placement of grout with a tremie pipe having a minimum diameter of 1¼ inches. Should casing with collars be used, the drilled hole shall be increased to provide a minimum three-inch annular space at the collars.

7. Condition 2 is modified to exempt the permittee from the requirements for a pump test.

8. Condition 7.e. is 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 contractor sign both permit originals and return one for our files. Also, copies of the aquifer pump test worksheet and the well completion report form are enclosed for your use.

IMPORTANT - Drilling work 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,

TIMOTHY E. JOHNS
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT
Bacon Family Trust Well, Well No. 1120-29

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 Bacon Family Trust Well (Well No. 1120-29) at 7200 B Koolau Road, Kahului, Maui, HI 96711; subject to the Hawaii Well Construction & Pump Installation Standards (122/357) 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 968509, 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 (692-6015) 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; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee 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: December 20, 1999
Expiration Date: December 20, 2001

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit until I and the 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
USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
December 10, 1999

State of Hawaii
Commission on Water
Resource Management
P.O. Box 621
Honolulu, Hi 96809

Attn: Lenore Nakama

Re: Moshe Well

Dear Lenore:

Enclosed is a copy of the Apartment Deed showing the transfer of title on the Moshe Well.

Please reissue the permit under the new owners, The Bacon Family Trust, which is also the new name of the well.

Sincerely,

Steve Goldberg
SG/iam
Enclosure
LAND COURT SYSTEM

AFTER RECORDATION, RETURN BY MAIL (x)

RUSSELL BACON
P. O. BOX 1151
KILAUEA, HI 96754

Escrow No. 99120304
Job No. 00101806

This document contains 11 pages

TITLE OF DOCUMENT:

APARTMENT DEED

PARTIES TO DOCUMENT:

GRANTOR:  MICHAEL MOSHE BLATT, Trustee under the unrecorded irrevocable trust known as THE BLATT FAMILY IRREVOCABLE TRUST, dated August 27, 1997
1561 #A Dundas Street West
Toronto, Ontario, Canada

GRANTEE:  RUSSELL C. BACON and JANET N. BACON, Trustees of the BACON FAMILY TRUST, dated September 14, 1993
P. O. Box 1151
Kilauea, HI 96754

PROPERTY DESCRIPTION:

TAX KEY:  (4) 4-9-11-09 - CPR #2
UNIT NO:  B
Mr. Michael Blatt  
7200 B Koolau Road  
P.O. Box 535  
Kilauea, HI 96754

Dear Mr. Blatt:

Well Construction / Pump Installation Permit Application for Well No. 1120-29

We acknowledge receipt, on March 13, 1998, of your completed well construction / pump installation permit application for the Moshe Well (Well No. 1120-29). 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,

EDWIN T. SAKODA  
Acting Deputy Director

LN:ss
Well Construction Permit
Moshe Well (Well No. 1120-29)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) which authorizes 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 12:

**Special Conditions**

1. Except for salt-water wells, any well constructed in basal aquifers for the purpose of nonpotable or potable water withdrawal shall be initially designed and pump tested at a depth below sea level not exceeding one-fourth of the theoretical thickness (41 times the head) of the basal ground-water body, unless authorized by the chairperson.

2. The wall thickness of well casing shall be selected in accordance with good design practices applied with due consideration to conditions at the site of the well and shall be sufficient to withstand anticipated formation and hydrostatic pressures imposed on the casing during its installation, grouting, well development, and use. The minimum wall thickness of carbon-steel casings in wells shall conform to the Hawaii Well Construction and Pump Installation Standards (January, 1997).

3. The casing material shall conform to the requirements in Hawaii Well Construction and Pump Installation Standards (January, 1997).

4. To prevent surface contamination, the annular space of all cased non-artesian wells (except monitor wells designed for immediate and short-term monitoring purposes and subsequent abandonment) must be sealed with grout from the ground surface to a minimum depth of 500 feet or 70% of the vertical distance between the ground surface and the top of the aquifer selected for exploration, long-term monitoring, or development, whichever depth is less. Artesian wells shall be considered on a case-by-case basis. Salt-water wells shall be grouted through the entire fresh and brackish portion of the basal lens.
5. The annular space of wells to be grouted must be a minimum of three inches all around the casing to permit effective placement of grout with a tremie pipe having a minimum diameter of 1¾ inches. Should casing with collars be used, the drilled hole shall be increased to provide a minimum three-inch annular space at the collars.

6. Condition 2 is modified to exempt the permittee from the requirements for a pump test.

7. Condition 7.e. is 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. Please note that special conditions may simply highlight application deviations from the Standards.

The well owner 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.

To validate your permit, please sign and have the contractor sign both permit originals and return one for our files. Please provide all the information in this packet to your well drilling contractor. In accordance with the Commission’s March 18, 1998 Declaratory Ruling No. DEC-ADM98-G5, a pump installation permit may be issued prior to the installation of the permanent pump for private individual needs where the proposed pump capacity is less than 70 gallons per minute. If you wish to take advantage of this ruling, please include a request for pump installation permit issuance when you return to us your validated well construction permit.

Also attached for your information is a copy of the Department of Health’s review comments.

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

Aloha,

[Signature]

for: MICHAEL D. WILSON
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT
Moshe Well, Well No. 1120-29

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 Moshe Well (Well No. 1120-29) at 7200 B Koolau Road, Kauai, TMK 4-8-011:009, 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.

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 (¼) 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 (587-0045) 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, and 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 (1/23/97).

10. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the 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. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: April 16, 1998
Expiration Date: April 16, 2000

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: ___________________________ Date: _________________
Printed Name: ___________________________ Firm or Title: ___________________________
Driller's Signature: ___________________________ 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
WELL CONSTRUCTION PERMIT
Moshe Well, Well No. 1120-29

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 Moshe Well (Well No. 1120-29) at 7200 K. Koolau Road, Kauai, TMK 4-8-011:009, 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.

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 (587-0045) 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, and 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 (1/23/97).

10. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the 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. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: April 16, 1998
Expiration Date: April 16, 2000

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

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

USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

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.: 1120-29 Well Name: Moshe Well Island: Kauai

2. Location/Address: 7200 B Koolau Road Tax Map Key: 4-9-011-009

<table>
<thead>
<tr>
<th>PART I.</th>
<th>WELL CONSTRUCTION REPORT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Drilling Company:</td>
<td></td>
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<tr>
<td>4. Name of driller who performed work:</td>
<td></td>
</tr>
<tr>
<td>5. Type of rig/construction:</td>
<td></td>
</tr>
<tr>
<td>6. Date(s) Well Construction and pump tests (if any) completed:</td>
<td></td>
</tr>
<tr>
<td>7. GROUND ELEVATION (referenced to mean sea level, msl):</td>
<td>ft.</td>
</tr>
<tr>
<td>Well Bench Mark (description/location):</td>
<td>Elevation(msl):</td>
</tr>
<tr>
<td>8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)</td>
<td></td>
</tr>
<tr>
<td>Depths (ft.) Rock Description, Water Level, Dates, etc. to</td>
<td>Depths (ft.) Rock Description, Water Level, Dates, etc. to</td>
</tr>
<tr>
<td>(If more space is needed, continue on back)</td>
<td></td>
</tr>
<tr>
<td>9. Total depth of well below ground:</td>
<td>ft.</td>
</tr>
<tr>
<td>10. Hole size:</td>
<td>inch dia. from</td>
</tr>
<tr>
<td></td>
<td>inch dia. from</td>
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<tr>
<td></td>
<td>inch dia. from</td>
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<tr>
<td>11. Casing installed:</td>
<td>in. I.D. x</td>
</tr>
<tr>
<td></td>
<td>in. I.D. x</td>
</tr>
<tr>
<td>Casing Material/Slot Size:</td>
<td></td>
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<tr>
<td>12. Annulus:</td>
<td>Grouted from</td>
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<tr>
<td></td>
<td>Gravel packed from</td>
</tr>
<tr>
<td>13. Initial water level:</td>
<td>ft. below ground. Date and time of measurement:</td>
</tr>
<tr>
<td>14. Initial chloride:</td>
<td>ppm Date and time of sampling:</td>
</tr>
<tr>
<td>15. Initial temperature:</td>
<td>°F Date and time of measurement:</td>
</tr>
<tr>
<td>16. PUMPING TESTS: Reference Point (R.P.) used:</td>
<td>which elevation is</td>
</tr>
<tr>
<td>(1) Step-Drawdown Test Date</td>
<td>Start water level</td>
</tr>
<tr>
<td></td>
<td>End water level</td>
</tr>
<tr>
<td>(2) Long-term Aquifer Test Date</td>
<td>Start water level</td>
</tr>
<tr>
<td></td>
<td>End water level</td>
</tr>
<tr>
<td>17. Pump Test Procedures data &amp; graphs (12/17/87 SDPTD &amp; CRPTD Forms) attached?</td>
<td>Yes</td>
</tr>
<tr>
<td>18. As-built drawings attached</td>
<td>Attached</td>
</tr>
<tr>
<td>19. Other remarks/comments: (On back of this form)</td>
<td></td>
</tr>
</tbody>
</table>

Well Drilling Contractor (print): C-57 Lic. No. Signature Date
Surveyor (print): Lic. No. Signature Date
Applicant (print): Lic. No. Signature Date
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: ____________________________

21. Name of person performing work: _______________________

22. Date Pump Installation Completed: ______________________

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: ____________________________ Capacity: ________ gpm
   Motor type, H.P., Voltage, rpm: ____________________________
   Depth of Pump Intake Setting __________ ft. below __ ground □ well bench mark
   Depth to bottom of airline __________ ft. below __ ground □ well bench mark
   Pumping Head is __________ ft. Type of flow meter: ____________ which measures in ________

24. As-built drawings attached attached? _ Yes _ No

25. Other remarks/comments: _ (See below)

Pump Installation Contractor (print) ________________________ C-57 Lic. No. ____________

Signature __________________________________ Date ____________

Applicant (print) __________________________________

Signature __________________________________ Date ____________

8. (cont’d) DRILLER’S LOG (cont’d):

   Depths (ft.) Rock Description, Water Level, Dates, etc.   Depths (ft.) Rock Description, Water Level, Dates, etc.
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________
   ______ to ________ ________________________________ ________ to ________ ________________________________


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TO: Honorable Lawrence Miike, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction Permit Application  
Moshe Well (Well No. 1120-29)

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 April 1, 1998.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact 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 (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.

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[ ] For the applicant’s information, a source of possible wastewater contamination [ ] is [ ] 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: William Wong  
Phone: 586-4258

Signed: William Wong  
Date: 3/18/98
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.

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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 Lawrence Miike, Director  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch

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

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

[ ] No comments/objections

Contact Person: Lori N. Kejivara  
Joe Tateshima  
606-4294  
Kauai DHO

Signed: Lori N. Kejivara  
Date: 3-24-98


Approved 2-19-97.
Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) which authorizes 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 12:

**Special Conditions**

1. Except for salt-water wells, any well constructed in basal aquifers for the purpose of nonpotable or potable water withdrawal shall be initially designed and pump tested at a depth below sea level not exceeding one-fourth of the theoretical thickness (41 times the head) of the basal ground-water body, unless authorized by the chairperson.

2. The wall thickness of well casing shall be selected in accordance with good design practices applied with due consideration to conditions at the site of the well and shall be sufficient to withstand anticipated formation and hydrostatic pressures imposed on the casing during its installation, grouting, well development, and use. The minimum wall thickness of carbon-steel casings in wells shall conform to the Hawaii Well Construction and Pump Installation Standards (January, 1997).

3. The casing material shall conform to the requirements in Hawaii Well Construction and Pump Installation Standards (January, 1997).

4. To prevent surface contamination, the annular space of all cased non-artesian wells (except monitor wells designed for immediate and short-term monitoring purposes and subsequent abandonment) must be sealed with grout from the ground surface to a minimum depth of 500 feet or 70% of the vertical distance between the ground surface and the top of the aquifer selected for exploration, long-term monitoring, or development, whichever depth is less. Artesian wells shall be considered on a case-by-case basis. Salt-water wells shall be grouted through the entire fresh and brackish portion of the basal lens.
5. The annular space of wells to be grouted must be a minimum of three inches all around the casing to permit effective placement of grout with a tremie pipe having a minimum diameter of 1½ inches. Should casing with collars be used, the drilled hole shall be increased to provide a minimum three-inch annular space at the collars.

6. Condition 2 is modified to exempt the permittee from the requirements for a pump test.

7. Condition 7.e. is 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. Please note that special conditions may simply highlight application deviations from the Standards.

The well owner 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.

To validate your permit, please sign and have the contractor sign both permit originals and return one for our files. Please provide all the information in this packet to your well drilling contractor. In accordance with the Commission’s March 18, 1998 Declaratory Ruling No. DEC-ADM98-G5, a pump installation permit may be issued prior to the installation of the permanent pump for private individual needs where the proposed pump capacity is less than 70 gallons per minute. If you wish to take advantage of this ruling, please include a request for pump installation permit issuance when you return to us your validated well construction permit.

Also attached for your information is a copy of the Department of Health’s review comments.

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

Aloha,

[Signature]

For: MICHAEL D. WILSON
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT
Moshe Well, Well No. 1120-29

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 Moshe Well (Well No. 1120-29) at 7200 B Koolau Road, Kauai, TMK 4-9-011:009, 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.

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 result 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 (587-0045) 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 section 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, and 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 (1/23/97).

10. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the 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. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: April 16, 1998
Expiration Date: April 16, 2000

[Signature]
M. Wilson, 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. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee’s Signature: ___________________________ Date: ____________
Printed Name: ___________________________ Firm or Title: ___________________________
Driller’s Signature: ___________________________ 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

USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
### SECTION 1: WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>Island</th>
<th>KAUAI</th>
<th>Aquifer System</th>
<th>LIHUE</th>
<th>Aquifer Sector</th>
<th>KILAUEA</th>
</tr>
</thead>
</table>

### SECTION 2: WELL SECTION DATA

(enter data in grey cells only)

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>262 ft., m.s.l.</th>
<th>Solid Casing</th>
<th>Material</th>
<th>Designation</th>
<th>2.25 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>260 ft., m.s.l.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cement Grout</td>
<td>60 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Packing</td>
<td>340 ft.</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Hole Diameter</td>
<td>6.75 in.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Total Depth</td>
<td>400 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated Head</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculated Aquifer Thickness</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County Water Supply (Y/N ?)</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 3: CHECKLIST

(values to check are shaded)

<table>
<thead>
<tr>
<th>Well Depth</th>
<th>Theoretical Thickness of Aquifer</th>
<th>41 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4 Aquifer Thickness</td>
<td>10.25 ft.</td>
</tr>
<tr>
<td></td>
<td>Depth of Well below Sea Level</td>
<td>140 ft. too deep (refer to HWCPIS Section 2.2)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Casing</th>
<th>Minimum Wall Thickness</th>
<th>PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>County or Non-County</td>
<td>non-county</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
<td>180 in.</td>
<td>0.313 in. (refer to HWCPIS Section 2.4 c)</td>
</tr>
<tr>
<td>Wall Thickness Provided</td>
<td>0.313 in.</td>
<td>180 in. (refer to HWCPIS Section 2.4 c)</td>
</tr>
</tbody>
</table>

| Minimum Length of Solid Casing | 233.1 ft. |
| 90% of ground to top of aquifer | 300 ft. okay (refer to HWCPIS Section 2.4 d) |
| Length of solid casing Provided | 181.3 ft. |
| Casing Material | 2.25 in. |
| Annular Space | if the cell above reads #/N/A, reference HWCPIS |
| Depth of Grouting | 181.3 ft. not enough (refer to HWCPIS Section 2.6 c) |
| Calculated Depth of Grouting | 60 ft. too small (refer to HWCPIS Section 2.6 d) |
| Depth of Grouting provided | 1,375 in. |
| Thickness of Annular Space | 1,375 in. |

Date of Review: 3/16/98
Reviewer: LN
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[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections.

Contact Person: **Lori N. Kajiwara**

Signed: **Lori N. Kajiwara**

Approved 2-19-97.

Bed disposal for 1 Bedroom

Bedroom

septic tank file # 3262

Phone: 586-4294

Kauai DH

Date: 3-24-98

please call him for details.
TO: Honorable Lawrence Miike, Director  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  

FROM: Michael D. Wilson, Chairperson  
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JS/cr
Mr. Michael Blatt  
7200 B Koolau Road  
P.O. Box 535  
Kilauea, HI 96754

Dear Mr. Blatt:

Well Construction / Pump Installation Permit Application for Well No. 1120-29

We acknowledge receipt, on March 13, 1998, of your completed well construction / pump installation permit application for the Moshe Well (Well No. 1120-29). 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,

EDWIN T. SAKODA  
Acting Deputy Director

LN:ss
TO: Honorable Lawrence Miike, Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch

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

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Contact Person: ___________________________ Phone: ________________

Signed: ___________________________ Date: ___________________________
<table>
<thead>
<tr>
<th>F YR APPD SRC/COST CTR PROJECT PH ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
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<tbody>
<tr>
<td>G 00 000 C 1026 0752</td>
<td></td>
<td>(1) 25.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rabbi Moshe</td>
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<td></td>
<td>(2)</td>
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<td>(3)</td>
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<td></td>
<td>(4)</td>
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<tr>
<td></td>
<td>25.00</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

REMARKS: LINE (1) Well No. 1120-29 (WCPA/PIPA)
LINE (2) 
LINE (3) 
LINE (4)
3-13-98

Water Commission
ATT Lenore.

Dear Lenore

Sorry, I forgot to send the T.M.K. map, which I have now enclosed.

Thanks
Steve
March 10, 1998

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

Attn: Lenore  

Re: Michael Blatt, Trustee  
Keiki Ya Hui Trust  

Dear Lenore:  

Pursuant to our recent telephone conversation regarding the title holding of TMK No. 4-9-011-009-0002, I have enclosed for your reference a copy of the 1997-98 real property tax bill reflecting Keiki Ya Hui Trust as property owner. Michael Blatt is the Trustee of the Trust.  

The Trust has been title holder of the property for over six months.  

Please contact me if you have any questions.  

Sincerely,  

Steve Goldberg
COUNTY OF KAUAI
1997–98 REAL PROPERTY TAX BILL

COUNTY OF KAUAI
REAL PROPERTY TAX COLLECTION
444 RICE STREET, SUITE 463
IHUE, HI 96766

KEEP THIS PORTION FOR YOUR RECORD!

INSTRUCTIONS:
1. PLEASE MAKE CHECK PAYABLE TO:
   DIRECTOR OF FINANCE
2. TO MAIL REMITTANCE:
   ENCLOSE BOTTOM PORTION AND KEEP
   UPPER SECTION FOR YOUR RECORDS.
3. TO PAY IN PERSON:
   BRING ENTIRE NOTICE TO COUNTY OFFICE

IMPORTANT INFORMATION ON REVERSE SIDE

TAX MAP KEY

PROPERTY OWNER
KEIKI YA HUI TRUST

PROPERTY ADDRESS

TAX MAP KEY

PROPERTY OWNER
KEIKI YA HUI TRUST
APPLICATION FOR PERMIT

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax: [redacted]
   (a) WELL OWNER
   Firm Name: [redacted]
   Contact Person: [redacted]
   Address: [redacted]
   (b) LANDOWNER
   Firm Name: [redacted]
   Contact Person: [redacted]
   Address: [redacted]
   (c) CONTRACTOR
   Firm Name: [redacted]
   Contact Person: [redacted]
   Address: [redacted]

2. WELL LOCATION/NAME: Moolei Well
   Address: 7200 B Kapiolani Blvd
   Island: Kauai
   Tax Map Key: (4) 4.9.221.009
   (Attach a USGS map, scale 1"=2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: Dril New Well
   Install New Pump
   Modify Existing Well
   Radial
   Abandon/Seal *
   Replace Pump*
   * Be sure to complete and submit well abandonment report upon completion of work.
   (b) WELL TYPE: Dug
   Bored
   Driven
   Drilled
   Radial
   Is this well a part of a battery of wells? Yes
   No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 15 gallons per minute
   Pump Type:
   Deep Well Turbine
   Submersible
   Centrifugal
   Motor:
   Diesel
   Gas
   Electric, rated horsepower: 3 hp
   If Pump Replacement, Existing Pump Capacity: [redacted] gallons per minute

5. PROPOSED USE: Municipal (including hotels, stores, etc.)
   Domestic (individual, noncommercial water sys.)
   Irrigation (crop)
   Military
   Industrial
   Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 2500 - 3000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT: Flow-meter
   Open-pipe
   Orifice Plate
   Weir

7. PENDING ACTIONS: Complex
   SMA
   EIS
   EA
   Completion Date:
   NONE
   Other (explain)

8. REMARKS, EXPLANATIONS:

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 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: [redacted]
Landowner: [redacted]
Contractor: [redacted]
Signature Date: [redacted]

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

Longitude: [redacted]
Latitude: [redacted]
Aquifer System Name: [redacted]
State Well No: [redacted]

* completed per telecomm w/ Steve Goldberg.
9. PROPOSED WELL SECTION

Elevation at top of casing
262 ft., msl

Cement Grout: 60 ft.

Rock Packing 340 ft.

Hole Diameter: 8 3/4 in.

Ground Elevation: 260 ft., msl

Solid Casing:
Material: PVC
Length: 30 ft.
Diameter: 6" in.
Wall thickness: 5/16" in.

Casing: ☑ Perforated ☐ Screen
Material: PVC
Length: 100 ft.
Diameter: 6" in.
Wall thickness: 5/16" in.
Openings: 1/2" sq. in./l.f.

Total Depth: 400 ft.

Open Hole:
Length: ___________ ft.
Diameter: ___________ in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
EATION MAP OF

ERN KAUAI