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<th>PLEASE</th>
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<td>6/10/99</td>
<td>BAUER, G.</td>
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<td>LUM, A.</td>
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<td>KUNIMURA, I.</td>
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</tbody>
</table>

Surveyor?

Can we accept PIP/WCR 2 as complete?

We never got WCR signed? See other pink tab?
Mr. Sasha Sassoon  
c/o Jody Atkinson  
Hanalani, LLC  
Star Route 184B  
Hana, HI 96713

Dear Mr. Sassoon:

Completion of Well Permitting Requirements  
Kipahulu-Nicoll Well (Well No. 3904-06)

The recent approval of updated Hawaii Well Construction and Pump Installation Standards allows the Commission to defer the requirements for a wellhead survey until such time as may be deemed necessary. Lack of a wellhead survey for the captioned well was a major reason that the permitting requirements for this well could not be considered complete.

By this letter, we are deferring the completion of this requirement until it may become necessary. Other requirements are considered complete as of February 18, 2004. The small amount to be pumped from this well requires water use to be recorded monthly and reported annually. A water use report form is enclosed for your use; please copy and use as necessary.

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

Sincerely,

YVONNE Y. IZU  
Deputy Director

CI:ss  
Enclosure  
c: Wailani Drilling, Inc.
**PART I. WELL CONSTRUCTION REPORT**

3. Drilling Company: Waialae Drilling
4. Name of driller who performed work: Mike Robertson
5. Type of rig/construction: N/A
6. Date(s) Well Construction and pump tests (if any) completed: 5/20/96
7. GROUND ELEVATION (referenced to mean sea level, msl): 360 ft.
   Well Bench Mark (description/location): Benchmark (description/location): Reference Point (RP.) used: which elevation is ___ 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>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 35</td>
<td>Basalt &amp; Clay</td>
</tr>
<tr>
<td>25 to 45</td>
<td>Westerly schist</td>
</tr>
</tbody>
</table>
         (If more space is needed, continue on back.)
9. Total depth of well below ground: 360 ft.
10. Hole size: 10 inch dia. from 0 ft. to 65 ft. below ground
    6 inch dia. from 65 ft. to 300 ft. below ground
11. Casing installed: 4 in. I.D. x 25 in. wall solid section to 250 ft. below ground
    4 in. I.D. x 25 in. wall perforated section to 300 ft. below ground
    Casing Material/Slot Size: sched 40 puc-3/8"p.e
12. Annulus: Grouted from 0 ft. below ground to 65 ft. below ground
    Gravel packed from 65 ft. below ground to 450 ft. below ground
13. Initial water level: 247 ft. below ground.
14. Initial chloride: 50 ppm
15. Initial temperature: 68°F
16. PUMPING TESTS: Reference Point (R.P.) used: ____________, which elevation is ___ ft.
    (1) Step-Drawdown Test Date 1/29/96
    Start water level ______ ft. below R.P.
    End water level ______ ft. below R.P.
    (2) Long term Aquifer Test Date 1/29/96
    Start water level 247 ft. below R.P.
    End water level 249.30 ft. below R.P.
17. Aquifer Pump Test Procedures data & graphs (1/96 LAT Form) attached? _Yes _No
18. As-built drawings attached attached? _Yes _No
19. Other remarks/comments: (On back of this form)

---

**Well Drilling Contractor (print)** Mike Robertson  
C-57 Lic. No. C-20115  
Signature ____________________________ Date 1/31/97

**Surveyor (print)** ______________________ Lic. No. ______________________  
Signature ____________________________ Date ______________________

**Applicant (print)** Roger Strong  
Signature ____________________________ Date ______________________

---

Note: The form has been filled out with the indicated information. The applicant's signature is dated May 25, 1999.
PART II. (PERMANENT) PUMP INSTALLATION REPORT


21. Name of person performing work: Mike Robertson

22. Date Pump Installation Completed: 1/23/97

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: Sub. Grundfos 2562-15 9128 Capacity: 25 gpm
   Motor type, H.P., Voltage, rpm: Elec. 3 HP, 3,300
   Depth of Pump Intake Setting: 272 ft. below casing top, which elevation is ft.
   Depth to bottom of airline: 270 ft. below casing top, which elevation is ft.
   Pumping Head is 350 ft. Type of flow meter: Impeller which measures in gallons

24. As-built drawings attached: Yes No

25. Other remarks/comments: (See below)

Pump Installation Contractor (print) Mike Robertson C-57 Lic. No. C-20115
Signature: [Signature] Date: 1/23/97
Applicant (print) Roger Strong
Signature: [Signature] Date: 1/23/97

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

<table>
<thead>
<tr>
<th>Dates (ft.)</th>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks,</th>
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<tr>
<td>50 to 55</td>
<td>55 to 65</td>
<td>Tube last entry</td>
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</tr>
<tr>
<td>65 to 75</td>
<td>75 to 115</td>
<td>Hard Blue Rock</td>
<td></td>
</tr>
<tr>
<td>75 to 115</td>
<td>115 to 145</td>
<td>Hard Tan Rock</td>
<td></td>
</tr>
<tr>
<td>115 to 145</td>
<td>145 to 185</td>
<td>Cave filled with gravel</td>
<td></td>
</tr>
<tr>
<td>145 to 185</td>
<td>185 to 245</td>
<td>Hard Basalt Blue rock</td>
<td></td>
</tr>
</tbody>
</table>

PUMP INSTALLATION PERMIT

Kipahulu-Nicoll Well, Well No. 3904-06

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 pump installation for Kipahulu-Nicoll Well (Well No. 3904-06) at Kipahulu, Maui, TMK 1-6-9:13, 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 shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on an annual basis, on forms provided by the Chairperson (attached).

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

5. The permittee shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

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

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: February 25, 1997
Expiration Date: February 25, 1999

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit 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.

Permittee's Signature: [Signature]
Printed Name: George Hadley
Firm or Title: TRUSTEE

Installer's Signature: [Signature]
Printed Name: Michael Robertson
Firm or Title: 

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

Attachments
C:
USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Maul Department of Water Supply
To: Charlie Ice

For: Water Resource Commission

Dear Charlie:

Enclosed are signed well construction permits for Wanner, Edington, Hagar, Nicole, Shoemaker and Hipp. Wanner, Edington and Hagar were all previously sent, and as far as I knew so was Nicole. The Hipp and Shoemaker well construction permits were in my files which was my oversight.

Enclosed also are signed well completion reports for Clark and Naditch.

I have in my file for Hagar an approved pump permit. How did we get the pump permit if the pump installation permit application was not signed by the owner? They told me, it was signed and sent in. If it isn't in your files anywhere please send another copy to us and I will see that it is taken care of.

Enclosed also is the step draw down test info for Hale Kamaole. Phillips, Wilson, Wanner, Gould and Rubin were all exempted from surveyed elevations and given amnesty from this requirement by the Commission, and are at least five years old.

Edington's survey signature was sent in. If this is still required for him I will have to have the surveyor sign another copy.

Lowen's well construction permit was sent to him to sign, and I was told that he sent it to you. Let me know if you need me to follow up on this if you didn't receive it, and I'll ask them to send it again.

Peter Martin is very diligent about paper work. According to my files, his signed well construction permit was sent in. At the time I was not retaining copies, so I don't have another copy of it. Also his step draw-down test should be N/A because it's less than 70 gpm.

The following owners have chosen not to drill at this time: Harold, Boerner, Fisher, and Thorsen.

The following wells are on hold until the owners get their funds together: Englehart and Douglas.

The Wark well #5424-08 was not my application. Other well completion reports will be forthcoming as soon as the surveyor completes and signs the reports. Hale Kamaole Step Draw Down somehow didn't get put in the envelope to you. It is included now.

Thorsen well # 5522-02 Construction Permit was signed by me and he says he sent it to you. I did not retain a copy so if you can't find it please send another copy and let us try again.

Hope this helps clear things up. I would like to start the new year on an even keel.

Mahalo for your cooperation.
Sincerely,

Mike Robertson

Certified By The National Groundwater Association
## Well Background Check

<table>
<thead>
<tr>
<th>Approved Well No.</th>
<th>Well No.</th>
<th>Well Name</th>
<th>Applicant</th>
<th>Driller</th>
<th>Pump Inst.</th>
<th>Type</th>
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<th>Pump Installation</th>
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<td>SUSPENSE DATE</td>
<td>TO:</td>
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<td><em>YODA, K.</em></td>
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without notary, pretty useless

SHT on people For 390A-06

Would seem like a more legal "power of attorney" or other document would be necessary to authorize signature.
October 1, 1999

To whom it concerns,

As trustee of the land trust called Sacred Haleakala Land Trust, George Hadley is empowered to sign with authority documents pertaining to the Sacred Haleakala Land Trust. George Hadley's signature is witnessed below for reference.

George Hadley  
Trustee  
October 1, 1999

Zaidi Langworthy  
Witness  
October 1, 1999
MEMORANDUM To File:

Identification and Address of Landowner

We were unable to identify and notify the owner of this well.

Following the February 25, 1997 approval of a well construction permit to a James Nicoll, who signed as trustee for the landowner, the well was constructed by a licensed driller. The required validating landowner-signed copy of the permit was not returned, and the Well Completion Report was signed by a Roger Strong.

A letter and subsequently a certified letter to James Nicoll requesting his signature on the two documents were returned as undeliverable.

Upon request, the well driller discovered and informed us that James Nicoll was representing a hui using the property which subsequently dissolved and was severally unavailable; he forwarded a phone number for a person seemingly having current responsibility for the property. This person was reached by phone and gave us the name Jodi Atkinson as the owner's agent who should receive the materials for proper signature.

The documents were again sent with a cover letter requesting the landowner's signature or written identification of an agent to act in his stead. The documents were later returned with the signature of one George Hadley, but with no identification. We have responded to the only available address, indicating that the procedure has not been properly followed, and that we are initiating this step to inform the owner of the consequences.

Checking with Bureau of Conveyances failed to turn up new information.
2-1-6-9-13  
OFF KAPUO RD.  

----- T M K D A T A ------

Owner: SACRED HALEAKALA REALTY TR
Tax Payer: SACRED HALEAKALA REALTY TR  
Tenure: F  
Semi-Annual Tax: $791.59

Tax Bill: P O BOX 826, HANA, HI 96713 USA

Assessed Value (98/99)  
Exemption

Land:  45,700  0
Tot Bldg:  287,600  0

----- Sales ----

11/01/78  $93,000
06/10/87 DEED $375,000  B/P 20763/602
VITALIS, WILLIAM N JR
09/06/91 DEED $745,000  Doc 91-121408
HAWAIIAN TRUST CO LTD TRS
10/29/92 DEED $0  Doc 92-176283
HAWAIIAN TRUST CO LTD TRS
06/06/95 DEED $800,000  Doc 95-074475
SACRED HALEAKALA REALTY TR
NICOLL JAMES R TRS
Mr. Sasha Sassoon  
c/o Jodi Atkinson  
Hanalani, LLC  
Star Route 184B  
Hana, Hawaii 96713  

Dear Mr. Sassoon:

Pump Installation Permit  
Kipahulu-Nicoll Well (Well No. 3904-06)

Our letter requesting the landowner/well owner’s signature on the permit was returned to us because the postal box is closed.

Enclosed are three items:

1) Pump Installation Permit, for landowner/designated agent’s signature.  
2) Well Completion Report, for landowner/designated agent’s signature.  
3) Water Use Report form, for annual reporting of monthly use.

Permits are not valid unless signed by both driller and well owner. We have received a copy of the captioned permit signed by the well driller/pump installer, in his fulfillment of the validation requirements of the permit. He reports that he is unable to contact the original owner-agent for his signature; evidently the hui that the well project was intended to serve has dissolved.

The landowner or designated agent (as specified in writing by owner) is still responsible for this property improvement and for any well use or potential groundwater contamination. We are returning the original permit for appropriate signature, as it is required to validate the permit. The Well Completion Report was signed by the driller/installer and a party unknown to us. This also needs to be signed by the landowner or designated agent.

The Water Code requires that water use from a private well must be recorded and reported to the Commission on a regular basis; your well requires recording of monthly use to be reported annually. If the well is to be abandoned, it should be sealed according to the Hawaii Well Construction and Pump Installation Standards.

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

Sincerely,

[Signature]  
EDWIN T. SAKODA  
Acting Deputy Director

CI:ss  
Enclosures  
c: Wailani Drilling Company
Mr. Sasha Sassoon
C/O Jodi Atkinson
Hanalani, LLC
Star Route 184B
Hāna, Hawaii 96713

Dear Mr. Sassoon:

Pump Installation Permit
Kipahulu-Nicoll Well (Well No. 3904-06)

Enclosed is the original of your approved Pump Installation Permit for the captioned well(s) which authorizes permanent pump installation work for your well(s) which have been signed by your driller. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 10:

Special Conditions

1. None

The well owner is responsible for all conditions of the permit. This includes ensuring that the pump installation contractor, or other party who installs the pump, submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions.

To validate your pump installation permit, please sign it and return it for our files.

A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

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

Aloha,

[Signature]

For: Timothy E. Johns
Chairperson

Enclosures
PUMP INSTALLATION PERMIT

Kipahulu-Nicoll Well, Well No. 3904-06

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-158, titled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Kipahulu-Nicoll Well (Well No. 3904-06) at Kipahulu, Maui, TMK 1-6-9:13, 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 shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on an annual basis, on forms provided by the Chairperson (attached).

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

5. The permittee shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

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

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: February 25, 1997
Expiration Date: February 25, 1999

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit 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.

Permittee's Signature: _______________________________ Date: ______________
Printed Name: _______________________________ Firm or Title: _______________________________

Installer's Signature: _______________________________ License #: 2015 Date: 12/5/18
Printed Name: _______________________________ Firm or Title: Wudani Building & Inc.

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

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

Attachments

C:
Mr. James Nicoll, Trustee  
Sacred Haleakala Realty  
P.O. Box 356  
Paia, Hawaii 96779

Dear Mr. Nicoll:

Pump Installation Permit  
Kipahulu-Nicoll Well (Well No. 3904-06)

We have received a copy of the captioned permit signed by the well driller/pump installer, in his fulfillment of the validation requirements of the permit. He reports that he is unable to contact you for your signature, indicating also that the hui project the well was intended to serve has apparently dissolved.

The landowner is still responsible for this property improvement and for any well use or potential groundwater contamination. We are returning the original permit for your signature, as required to validate the permit.

If the well is to be abandoned, it should be sealed according to proper regulations.

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

Sincerely,

Timothy E. Johns  
Deputy Director

Enclosure
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James Nicoll, Trustee
Sacred Haleakala Realty
P.O. Box 356
Paia, Hawaii 96779

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Sincerely,

for: TIMOTHY E. JOHNS
Deputy Director

CI: ss
Enclosure
Mr. James Nicoll, Trustee  
Sacred Haleakala Realty  
P.O. Box 356  
Paia, Hawaii 96779  

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

A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.  

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.  

If you have any questions, please call the Commission staff at 587-0251 or toll-free at 984-2400 (Maui), extension 70251.  

Aloha,  

MICHAEL D. WILSON  
Chairperson  

Enclosures
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<thead>
<tr>
<th>FROM:</th>
<th>DATE: 12/17/98</th>
<th>SUSPENSE DATE:</th>
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<td>Tim</td>
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**Please:***

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

**Approved by:**
- LUM, A.
- NAKAMA, L.
- NAKANO, D.
- OHYE, M.
- SAKODA, E.
- SUBIA, S.
- SWANSON, S.
- UWaine, J.
- UYENO, D.
- YODA, K.

**INIT.:**
- BAUER, G.
- CHING, F.
- FUJII, N.
- HARDY, R.
- HIGA, D.
- HIRANO, E.
- ICE, C.
- IMATA, R.
- INNAI, R.
- JOHNS, T.
- KUNIMURA, I.

**NOTE:**
- Susan please send original via certified mail; copy file.
- Permission's signature required.
- Can't be reached; perhaps we need to file something @ BoC?
- Registered or certified mail?
- How's Mike getting paid?
WELL COMPLETION REPORT

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

PART I. WELL CONSTRUCTION REPORT

1. State Well No.: 3904-06 Well Name: Kipahulu-Nicoi Island: Maui
2. Location/Address: Tax Map Key: 1-5-9:13

3. Drilling Company:
4. Name of driller who performed work:
5. Type of rig/construction:
6. Date(s) Well Construction and pump tests (if any) completed:
7. GROUND ELEVATION (referenced to mean sea level, msl): ft.
   Well Bench Mark (description/location): Elevation (msl): ft.
8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)
   Depth (ft.) Rock Description, Water Level, Dates, etc.
   Depths (ft.) Rock Description, Water Level, Dates, etc.
   (If more space is needed, continue on back.)
9. Total depth of well below ground: ft.
10. Hole size: inch dia. from ft. to ft. below ground
    inch dia. from ft. to ft. below ground
    inch dia. from ft. to ft. below ground
11. Casing installed: in. I.D. x in. wall solid section to ft. below ground
    in. I.D. x in. wall perforated section to ft. below ground
    Casing Material/Slot Size:
12. Annulus: Grouted from ft. below ground to ft. below ground
    Gravel packed from ft. below ground to ft. below ground
13. Initial water level: ft. below ground. Date and time of measurement:
14. Initial chloride: ppm Date and time of sampling:
15. Initial temperature: °F Date and time of measurement:
16. PUMPING TESTS: Reference Point (R.P.) used: , which elevation is ft.
   (1) Step-Drawdown Test Date (2) Long-term Aquifer Test Date
   Start water level ft. below R.P. Start water level ft. below R.P.
   End water level ft. below R.P. End water level ft. below R.P.
17. Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached? Yes No
18. As-built drawings attached? Yes No
19. Other remarks/comments: (On back of this form)

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

20. Pump Installation Company: Waitcom Drilling Co

21. Name of person performing work: Mike Robertson

22. Date Pump Installation Completed: 12/5/98

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: Grundfos Sub. 25630-15 Capacity: 25 gpm
   Motor type, H.P., Voltage, rpm: Franklin Sub 3 HP 230v 1850 RPM
   Depth of Pump Intake Setting 257 ft. below S.L. 6, which elevation is 248 ft.
   Depth to bottom of airline 257 ft. below S.L. 6, which elevation is 248 ft.
   Pumping Head is 301 ft. Type of flow meter: open pipe which measures in gal.

24. As-built drawings attached? Yes No

25. Other remarks/comments: (See below)

<table>
<thead>
<tr>
<th>Water Level Dates (ft.)</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks</th>
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19. 25. Remarks:

_________________________________________________________________________
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_________________________________________________________________________
Mr. James Nicoll, Trustee  
Sacred Haleakala Realty  
P.O. Box 356  
Paia, Hawaii 96779

Dear Mr. Nicoll:

Pump Installation Permit  
Kipahulu-Nicoll Well (Well No. 3904-06)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) which authorizes permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 10:

Special Conditions

1. None

The well owner is responsible for all conditions of the permit. This includes ensuring that the pump installation contractor, or other party who installs the pump, submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions.

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A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

If you have any questions, please call the Commission staff at 587-0251 or toll-free at 984-2400 (Maui), extension 70251.

Aloha,

[Signature]  
Chairperson

Enclosures
PUMP INSTALLATION PERMIT

Kipahulu-Nicoll Well, Well No. 3904-06

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 pump installation for Kipahulu-Nicoll Well (Well No. 3904-06) at Kipahulu, Maui, TMK 1-6-9-13, 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 shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on an annual basis, on forms provided by the Chairperson (attached).

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

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

7. The pump installation permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

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9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee must apply for a well abandonment permit in accordance with §13-188-12(f) prior to any well sealing or plugging work.

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

Date of Approval: February 25, 1997
Expiration Date: February 25, 1999

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit 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.

Permittee's Signature: ___________________________ Date: ________________

Printed Name: ___________________________ Firm or Title: ___________________________

Installer's Signature: ___________________________ License #: 20115 Date: 12/15/98

Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachments:
- USGS
  Department of Health/ Safe Drinking Water & Wastewater Branches
  Maui Department of Water Supply

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management
Mr. James Nicoll, Trustee
Sacred Haleakala Realty
P.O. Box 356
Paia, Hawaii 96779

Dear Mr. Nicoll:

Pump Installation Permit
Kipahulu-Nicoll Well (Well No. 3904-06)

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Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

If you have any questions, please call the Commission staff at 587-0251 or toll-free at 984-2400 (Maui), extension 70251.

Aloha,

Michael D. Wilson
Chairperson

Enclosures
PUMP INSTALLATION PERMIT

Kipahulu-Nicoll Well, Well No. 3904-06

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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 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).

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Printed Name: ______________________________________ Firm or Title: ____________________________

Installer'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.

Attachments

USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Mau Department of Water Supply
Mr. James Nicoll, Trustee  
Sacred Haleakala Realty  
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Aloha,

MICHAEL D. WILSON  
Chairperson

Enclosures
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Attachments
USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Maul Department of Water Supply
PUMP INSTALLATION PERMIT

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Date of Approval: February 25, 1997
Expiration Date: February 25, 1999

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I do not hold a valid permit 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.

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

Installer'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.

Attachments:
- USGS
- Department of Health/ Safe Drinking Water & Wastewater Branches
- Maui Department of Water Supply
ANNUAL GROUND WATER USE REPORT FOR

James Nicoll, Trustee
Sacred Haleakala Realty
P.O. Box 356
Pa'aia, Hawaii 96779

Report Submitted for the Year 19

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 587-0265 (Oahu only) or 1-800-468-4644 (neighbor islands).

<table>
<thead>
<tr>
<th>State Well No.</th>
<th>Well Name</th>
<th>Measurement End Date (mm/dd/yy)</th>
<th>Quantity Pumped (gallons)</th>
<th>Method of Measurement*</th>
<th>Chloride (mg/l) **</th>
<th>Temp. (°F)</th>
<th>Lowest Pumping Water Level (ft. above msl)</th>
<th>Highest Non-pumping Water Level (ft. above msl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3904-06</td>
<td>Kipahulu-Nicoll</td>
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</tr>
</tbody>
</table>

* - flow meter, electrical consumption, weir of flume, not metered (estimated)
** - indicate how long pump was on or off when chloride sample taken
*** - minimum time between pump/well turned off and water level measurement must be at least 24 hours; if pumping schedule did not allow for at least 24 hour rest during the month please indicate amount of hours pump was off before this measurement

Other comments or additional information (e.g. - date and method of chloride measurement; how pumpage amounts are estimated; etc...):
State of Hawaii  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources  

WELL COMPLETION REPORT  

(3/20/96 WCR Form)  

(Check Appropriate Box)  
[ ] Well Construction  [ ] (Permanent) Pump Installation  

Instructions: Please print or type and submit completed report within 30 days after well completion to the Commission on Water Resource Management, P.O. Box 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 567-0225, or 1-800-468-4644 Extension 70225.  

1. State Well No.: 3904-06  
   Well Name: Kipahulu-Nicoll  
   Island: Maui  

2. Location/Address:  
   Tax Map Key: 1-6-8:13  

PART I.  

WELL CONSTRUCTION REPORT  

3. Drilling Company:  
4. Name of driller who performed work:  
5. Type of rig/construction:  
6. Date(s) Well Construction and pump tests (if any) completed:  
7. GROUND ELEVATION (referenced to mean sea level, msl): __________ ft.  
   Well Bench Mark (description/location): __________  
   Elevation(msl): __________ 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>
</tr>
</thead>
<tbody>
<tr>
<td>_____ to _____</td>
<td></td>
<td>_____ to _____</td>
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<tr>
<td>(If more space is needed, continue on back.)</td>
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</tr>
</tbody>
</table>
9. Total depth of well below ground: __________ ft.  
10. Hole size:  
   __________ inch dia. from __________ ft. to __________ ft. below ground  
   __________ inch dia. from __________ ft. to __________ ft. below ground  
   __________ inch dia. from __________ ft. to __________ ft. below ground  
11. Casing installed: __________ in. I.D. x __________ in. wall solid section to __________ ft. below ground  
   __________ in. I.D. x __________ in. wall perforated section to __________ ft. below ground  
   Casing Material/Slot Size: __________  
12. Annulus:  
   Grouted from __________ ft. below ground to __________ ft. below ground  
   Gravel packed from __________ ft. below ground to __________ ft. below ground  
13. Initial water level: __________ ft. below ground.  
   Date and time of measurement: __________  
14. Initial chloride: __________ ppm  
   Date and time of sampling: __________  
15. Initial temperature: __________ °F  
   Date and time of measurement: __________  
16. PUMPING TESTS: Reference Point (R.P.) used: __________, which elevation is __________ ft.  
   (1) Step-Drawdown Test Date __________  
   Start water level __________ ft. below R.P.  
   End water level __________ ft. below R.P.  
   (2) Long-term Aquifer Test Date __________  
   Start water level __________ ft. below R.P.  
   End water level __________ ft. below R.P.  
17. Aquifer Pump Test Procedures data & graphs (1/19/96 LTAT Form) attached?  
   __ Yes  __ No  
18. As-built drawings attached?  
   __ Yes  __ No  
19. Other remarks/comments: (On back of this form)  

Well Drilling Contractor (print) ___________________________  
C-57 Lic. No. ___________________________  
Signature ___________________________ Date ___________________________  
Surveyor (print) ___________________________ Lic. No. ___________________________  
Signature ___________________________ Date ___________________________  
Applicant (print) ___________________________  
Signature ___________________________ Date ___________________________  

[Signature Location]  
[Surveyor Location]  
[Applicant Location]  

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 ________, which elevation is ________ ft.
   - Depth to bottom of airline _______ ft. below ________, which elevation is ________ ft.
   - 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):

<table>
<thead>
<tr>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks, Dates</th>
</tr>
</thead>
<tbody>
<tr>
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<td>to</td>
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</tbody>
</table>


________________________________________

________________________________________
**WELL COMPLETION REPORT**

3/20/96 WCR Form

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

Instructions: Please print or type and submit completed report within 30 days after well completion to the Commission on Water Resource Management, P.O. Box 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.:** 3904-06  
   **Well Name:** Kipahulu-Nicoll  
   **Island:** Maui  
   **Tax Map Key:** 1-6-9:13

**PART I. WELL CONSTRUCTION REPORT**

3. **Drilling Company:** Wailani Drilling

4. **Name of driller who performed work:** Mike Robertson

5. **Type of rig/construction:** Air Rotary

6. **Date(s) Well Construction and pump tests (if any) completed:** 5/30/96

7. **GROUND ELEVATION (referenced to mean sea level, msl):** 260 ft.  
   **Well Bench Mark (description/location):** Elevation(msl): 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>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 25</td>
<td>Basalt Clay</td>
</tr>
<tr>
<td>25 to 35</td>
<td>Sand Clay</td>
</tr>
<tr>
<td>35 to 45</td>
<td>Westside Sandstone</td>
</tr>
<tr>
<td>45 to 50</td>
<td>Hard Blue Rock</td>
</tr>
</tbody>
</table>

9. **Total depth of well below ground:** 300 ft.

10. **Hole size:**  10 inch dia. from 0 ft. to 65 ft. below ground  
               6 inch dia. from 65 ft. to 300 ft. below ground  
               4 inch dia. from 300 ft. to 500 ft. below ground

11. **Casing installed:**  4 in. I.D. x .25 in. wall solid section to 280 ft. below ground  
                     4 in. I.D. x .25 in. wall perforated section to 300 ft. below ground

12. **Casing Material/Slot Size:** Schedule 40 PVC - 2

13. **Initial water level:** 247 ft. below ground.  
   **Date and time of measurement:** 1/31/97

14. **Initial chloride:** 30 ppm  
   **Date and time of sampling:** 1/31/97 9:30 AM

15. **Initial temperature:** 68 °F  
   **Date and time of measurement:** Same

16. **PUMPING TESTS:** Reference Point (R.P.) used: which elevation is ft.
   (1) Step-Drawdown Test Date 1/31/97  
       Start water level __________ ft. below R.P.  
       End water level __________ ft. below R.P.
   (2) Long-term Aquifer Test Date 1/31/97  
       Start water level 247 ft. below R.P.  
       End water level 249.30 ft. below R.P.

17. **Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached?** Yes No

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

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

Well Drilling Contractor (print) Mike Robertson  
C-57 Lic. No. C-20115  
Signature Date 1/31/97

Surveyor (print)  
Lic. No.  
Signature Date

Applicant (print) Roger Strong  
Signature Date
### PART II. (PERMANENT) PUMP INSTALLATION REPORT

21. Name of person performing work: Mike Robertson
22. Date Pump Installation Completed: 1/24/97
23. PUMP INSTALLATION:
   - Pump Type, Make, Serial No.: Sub. Grundfos 2563-157618 Capacity: 25 gpm
   - Motor type, H.P., Voltage, rpm: Effk 3HP, 220V
   - Depth of Pump Intake Setting: 272 ft. below casing, which elevation is ________ ft.
   - Depth to bottom of airline: 270 ft. below casing, which elevation is ________ ft.
   - Pumping Head is 350 ft. Type of flow meter: Impeller which measures in gallon

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

<table>
<thead>
<tr>
<th>Pump Installation Contractor (print)</th>
<th>Mike Robertson</th>
<th>C-57 Lic. No.</th>
<th>C 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Mike Robertson</td>
<td>Date</td>
<td>1/24/97</td>
</tr>
<tr>
<td>Applicant (print)</td>
<td>ROGER STRONG</td>
<td>Date</td>
<td>1/24/97</td>
</tr>
</tbody>
</table>

### 8. (cont’d) DRILLER’S LOG (cont’d):

<table>
<thead>
<tr>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks, Dates (ft.)</th>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks, Dates (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 to 55</td>
<td>Tube lost return</td>
<td>250 to 255</td>
<td>Soft Basalt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>55 to 65</td>
<td>Hard Blue Rock</td>
<td>255 to 275</td>
<td>Hard Basalt</td>
<td></td>
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</tr>
<tr>
<td>65 to 75</td>
<td>Hard Tan Rock</td>
<td>275 to 290</td>
<td>Tan Rock (Hard)</td>
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<tr>
<td>75 to 115</td>
<td>AA</td>
<td>290 to 300</td>
<td>Bore hole was at 290</td>
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<tr>
<td>115 to 122</td>
<td>Case filled with gravel</td>
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<td>AA required return</td>
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<td>175 to 185</td>
<td>mid hard Basalt</td>
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<tr>
<td>195 to 295</td>
<td>Hard Basalt Blue rock</td>
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</table>

19 & 25. Remarks:

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Note: not drawn to scale.
DATA SET: 3904-06.DAT 02/19/97

AQUIFER MODEL: Confined

SOLUTION METHOD: Cooper-Jacob

PROJECT DATA:
  test date: Jan. 24, 1997
  test well: 3904-06
  obs. well: 3904-06

TEST DATA:
  Q = 25. gal/min
  r = 0. ft
  r_c = 0.25 ft
  r_w = 0.25 ft
  b = 533. ft

PARAMETER ESTIMATES:
  T = 2061.1 ft^2/day
  S = 0.05215
DATA SET:
3904-06.DAT
02/19/97

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: Jan. 24, 1997
test well: 3904-06
obs. well: 3904-06

TEST DATA:
Q = 25 gal/min
r = 0 ft
r_c = 0.25 ft
r_w = 0.25 ft
b = 533 ft

PARAMETER ESTIMATES:
T = 2068.3 ft^2/day
S = 0.05144
### Table 1

**LONG-TERM AQUIFER TEST DATA**

<table>
<thead>
<tr>
<th>Pumped Well No.</th>
<th>Observation well no.</th>
</tr>
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<tbody>
<tr>
<td>3904-06</td>
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</table>

<table>
<thead>
<tr>
<th>Distance between Obs. &amp; Pumped Well</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference pt. for depth to water</td>
<td>ft. msl</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water level measurements by:</th>
<th>steel tape</th>
<th>pressure transducer</th>
<th>airline</th>
</tr>
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</table>

**START TEST**  
**Date:** 1/24/97  
**Hour of day:** 9:30 AM

**Flow Meter Reading Start:** 58581.6 gallons

<table>
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<tr>
<th>Suggested elapsed time t (min)</th>
<th>Actual elapsed time t (min)</th>
<th>Depth to water (nearest 0.01 ft)</th>
<th>Drawdown (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (µmhos)</th>
<th>Cl (mg/l)</th>
<th>Temp °C</th>
<th>Data in this table is for:</th>
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<td>80</td>
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<td>Pumped Well</td>
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**Water level measurements by:** steel tape, pressure transducer, airline
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<th>Drawdown (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
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Use same ending drawdown figure as start for recovery: 0

Max possible duration, water level or quality did not stabilize for any 24 period

Begin recovery data next page

Flow meter reading at end of pumped period: 7051 gals
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END TEST  Date: 11/24/97  Hour of day: 5:30 PM

ADDITIONAL REMARKS:

Person in charge of pump test (print): Mike Robertson

Signature: [Signature]

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.
To: Rae M. Loui  
Deputy director Commission On Water Resource Management

From: Mike Robertson  
d.b.a. Wailani Drilling Co.

In response to your letter dated July 9, 1996, the answer to the 4 items on the Papaula-Rubin Well #5426-01 are:

#1. ground elevation - 5 ft.
#2. total depth of well - 20 ft.
#3. proposed pump capacity 50 g.p.m.
#4. proposed withdrawal 5000 g.p.d.

Sorry I neglected to include all of the information.

In regards to the delinquent Well completion reports and start work notices, Please excuse the untimely filing of these reports. Now that I have your report forms in my computer, I will be able to process them on time from now on.

Enclosed are reports for Peahi - Phillips Well (5/15/96)  
Peahi - Trier Well (5/19/96)  
Huelo - Gould Well (5/4/96)

Peahi - Wilson and Huelo - Harold have not secured all of the funds to proceed with their wells yet but please keep their permits active.

I proceeded on Kipahulu - Nicoll well #3904-06 and will be sending a completion report soon.

Enclosed also are 2 more Permit applications.

Thank you for your understanding and cooperation.

Sincerely,

Mike Robertson
Mr. James Nicoll, Trustee
Sacred Haleakala Realty Trust
P.O. Box 356
Paia, Hawaii 96779

Dear Mr. Nicoll:

Well Construction Permit
Kipahulu-Nicoll Well (Well No. 3904-06)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well. As part of the Commission’s approval, the following special conditions were added and are part of your permit:

**Special Conditions**

1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least 8 hours.
3. No step-drawdown test is required.

The Chairperson shall approve and issue a pump installation permit upon acceptance of aquifer pumping test results required in Condition 6e, subject to the standard permit conditions in Exhibit 3 and the following special conditions:

1. The well should not be used for drinking water unless it is properly tested and treated.
2. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.

Please sign the permit copies and return one for our files. Also, copies of the well completion report and your water use report forms are enclosed for your use.

If you have any questions, please call Rae M. Loui, Deputy Director, at 587-0214 or 1-800-468-4644 extension 70214.

Aloha,

[Signature]

MICHAEL D. WILSON
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT
Kipahulu-Nicoll Well (Well No. 3904-06)

To: Sacred Haleakala Realty Trust
James Nicoll, Trustee
P.O. Box 356
Paia, Hawaii 96779

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Kipahulu-Nicoll Well (Well No. 3904-06) at Kipahulu, Hana, Maui, TMK 1-6-9:13, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. The Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, before any work 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 Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure. The permittee shall submit to the Commission 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 Commission.

3. 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.

4. 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.

5. 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.
6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   a. Well completion report (Part I, attached).
   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 water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its March 13, 1996 meeting are incorporated into the permit by reference.

9. 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion 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. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

MAR 13 1996
Date of Approval

MICHAEL D. 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.

Applicant's Signature: __________________________ Date: ________________

Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachment
c: USGS
Department of Health, Safe Drinking Water and Wastewater Branches
Maui Department of Water Supply
6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   a. Well completion report (Part I, attached).
   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 water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its March 13, 1996 meeting are incorporated into the permit by reference.

9. 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion 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. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

MAR 13 1996
Date of Approval

MICHAEL D. 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.

Applicant's Signature: ___________________________ Date: 3/30/96
Printed Name: ___________________________ Firm or Title: Wailani Bording Co.

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

Attachment
c: USGS
   Department of Health, Safe Drinking Water and Wastewater Branches
   Maui Department of Water Supply
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 821
HONOLULU, HAWAII 96809

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

March 13, 1996
Honolulu, Oahu

Sacred Haleakala Realty Trust
APPLICATION FOR WELL PERMIT
Kipahulu-Nicoll Well (Well No. 3904-06)
Well Construction: 10-inch diameter, 348-foot deep
Pump Installation: 40-gpm Pump
for domestic and irrigation use,

TMK 1-6-9:13 Kipahulu, Hana, Maui

APPLICANT:
James B. Nicoll, Trustee
Sacred Haleakala Realty Trust
P.O. Box 356
Paia, Hawaii 96779

LANDOWNER:
Sacred Haleakala Realty Trust
P.O. Box 356
Paia, Hawaii 96779

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

WATER AVAILABILITY:
Kipahulu Aquifer System of Hana Sector. Estimated Sustainable Yield: 49 mgd.
Proposed Use: 3000 gpd. Existing Use: <1 mgd.
Anticipated pump capacity: 40 gpm.

BACKGROUND:
The application for this well was accepted as complete on January 17, 1996.

ISSUES/ANALYSIS:
Agency Review: The application was published in the Commission's Water Resource Bulletin in December 1995; Review letters were sent to the Department of Health's Safe Drinking Water and Wastewater Branches. The Safe Drinking Water Branch recommends that potable water wells such as this one not requiring Department of Health approval be tested for bacteriological and chemical presence and be routinely monitored thereafter. In similar situations, that Branch has also specified that potable and irrigation applications using the same source be equipped to prevent backflow from non-potable to potable systems, and labelled to prevent inadvertent consumption of non-potable water.

Item 8
Staff review: The proposed well would tap fresh basal ground water. Proposed use is approximately 3000 gallons per day, for household use and to irrigate fruit trees on a parcel of 12.4 acres; the pump will be used for very short periods to top off a storage tank. There are eight other wells within one mile, arranged primarily parallel with the shoreline; the nearest is about 500 feet away. The driller will probably have to drill through a massive lava formation to reach older permeable rock just above the water table. From the small projected use, no adverse impacts are expected.

RECOMMENDATION:

A. That the Commission approve the issuance of a well construction/pump installation permit for Kipahulu-Nicoll Well, subject to the standard permit conditions in Exhibit 3 and the following special conditions:

1. No permanent monitor tube is required.

2. The long-term continuous test shall be at least 8 hours.

3. No step-drawdown test is required.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit upon acceptance of aquifer pumping test results required in Condition 6e, subject to the standard permit conditions in Exhibit 3 and the following special conditions:

1. The well should not be used for drinking water unless it is properly tested and treated.

2. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.

Respectfully submitted,

W. Ray Hardy

for

RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
PROPOSED WELL SECTION

Elevation at top of casing: 350 ft., msl.

Ground Elevation: 348 ft., msl.

Cement Grout: 100 ft.

Rock Packing: 100 ft.

Hole Diameter: 10 in.

Total Depth: 348 ft.

Solid Casing:
- Material: Steel to P.U.C.
- Length: 100 ft.
- Diameter: 6 in.
- Wall thickness: 0.25 in.

Casing: [ ] Perforated [ ] Screen
- Material: P.U.C.
- Length: 20 ft.
- Diameter: 4 in.
- Wall thickness: 0.25 in.
- Openings: 2 sq. in./L.F.

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.
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. The Commission shall be notified two weeks before work commences, to facilitate monitoring.

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 Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (Exhibit 4). The permittee shall submit to the Commission 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 Commission.

3. 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.

4. 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.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   a. Well completion report.
   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 water quality data.

7. The permittee shall comply with all applicable laws, rules, and ordinances.

8. The well construction permit application and staff submittal approved by the Commission at its March 13, 1996 meeting are incorporated into the permit by reference.

9. 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion 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.
1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 40 gpm capacity, or less, pump in the well.

3. The permittee shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured and report to the Commission on a monthly basis, on forms provided by the Commission (attached).

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

5. The pump installation portion of the Well Completion Report and as-built sectional drawings of the pump installation shall be submitted to the Commission within thirty (30) days after completion of work.

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

7. The pump installation permit application and staff submittal approved by the Commission at its March 13, 1996 meeting are incorporated into the permit by reference.

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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion 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.
AQUIFER (PUMP) TEST PROCEDURES

The pump test procedure for new wells shall consist of a step-drawdown test followed by a long-term continuous aquifer test. Testing the well and aquifer in the prescribed manner should result in the hydrologic information needed to determine: 1) the well's performance with regard to yield and water quality (chloride concentration), and 2) the nearby hydraulic properties of the aquifer.

General Recording Requirements

The records required for analysis and the tolerance in measurement acceptable for the step-drawdown and long-term continuous aquifer test are as follows:

1. Discharge from the well shall not fluctuate beyond ± 10 percent.
2. Depth to water measurements in the pumped well shall be accurate to 0.01 feet.
3. Time shall be accurate within ± 1 percent.
4. Water discharged from the well during the step-drawdown and long-term test shall be carried away from the well to a distance sufficient to preclude circulation of the discharge water downward to the ground-water table.
5. Recording of data should be on a form similar to Table 1. All information shown in Table 1 shall be provided. In addition, data shall be plotted on Graph 1 and provided.

Step-Drawdown Test

The purpose of the step-drawdown test is to establish the efficiency of the well and to provide preliminary information on the yield of the well, both from a quantity and quality standpoint.

1. Measurement of water level in the pumped well shall be made every 12 hours for a period of no less than two days prior to the initiation of the step-drawdown test in order to obtain the pretest trend in water levels.
2. The step-drawdown test will consist of continuously pumping the well for four hours at four different rates.
   a. The change from one pumping rate to the next must be sufficient to induce an observable change in water level in the well from the previous pumpage rate.
   b. If desired, the four different rates should represent the full range of pump capacity (if the yield can sustain this), but this is not necessary.
AQUIFER (PUMP) TEST PROTOCOLS

3. Each pumping rate should be continued for one hour, after which the new rate should be instituted as rapidly as possible.

4. Pumping should begin at the lowest rate and conclude with the highest rate.

5. Pumping should be continuous through the entire step-drawdown test.

6. Measurement of chloride concentration and temperature of the discharge water shall be measured at least five times:
   a. at the end of each pumping rate during the step-drawdown test, and
   b. at the very beginning of the test.

7. A sufficient number of water level measurements shall be made in the pumped well following the termination of the step-drawdown test to establish that the water level fully recovers from each test to pretest levels.

Long-Term Continuous Test

The purpose of the long-term continuous test is to determine the hydraulic properties of the aquifer to explore for and identify nearby aquifer boundaries such as streams or dikes, and to observe the trend in chloride concentration of the discharge water.

1. The long-term test should not commence until the water level in the pumped well has fully recovered from the step-drawdown test. Generally, the time required for this recovery will be slightly greater than four hours. The water level in the pumped well should be measured immediately before initiation of the long-term test.

2. The pump rate for the long-term test should be sufficient to create an observable drawdown.

3. The test should be run 24 hours per day for at least seven days. If during the test, the water level remains the same for a period of 24 hours, the test can be terminated.

4. Measurement of chloride concentration and temperature of the discharge water during the long-term test shall be made at the beginning of the test and every six hours thereafter.

5. Depth to water in all wells shall be measured with sufficient frequency that each logarithmic cycle in time on the data plots (Graph 1) contains at least 10 data points spread through the cycle. Thus, depth to water should be made at t=0 (immediately prior to start of the test), and as close as possible at t=1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, and 8 minutes for the first ten minutes and at all succeeding decimal multiples of these numbers to the end of the test (t=10, 15, 20, 25, 30, 40, 50, 60, 70, and 80 minutes for the log cycle 10 to 100 minutes, etc.)

6. A sufficient number of water level measurements shall be made in the pumped well following termination of the long-term continuous test to establish that the water level fully recovers from each test to pretest levels.
### LONG-TERM AQUIFER TEST DATA

Pumped Well No. ___________ Observation well no. ___________

Pumped Well Name ___________ Distance between Obs. & Pumped Well ___________ ft.

Target Q ___________ gpm Reference pt. for depth to water ___________ ft. msl

Distance between Obs. & Pumped Well ___________ ft.

Static Water Level @ start of test ___________ ft. msl

Water level measurements by:  
- [ ] steel tape  
- [ ] pressure transducer  
- [ ] airline

START TEST  Date: ___________ Hour of day: ___________

Flow Meter Reading Start: ___________ gals

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<th>Actual elapsed time ( t' ) (min)</th>
<th>Depth to water (nearest 0.01 ft)</th>
<th>Drawdown ( d ) (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate ( Q ) (gpm)</th>
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<th>( CF ) (mg/l)</th>
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Begin recovery data next page
Flow meter reading at end of pumped period: ___________ gals
### Table: Aquifer Test Results

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<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.01 ft)</th>
<th>Recovery S (unadjusted to nearest 0.01 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (µhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
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Data in this table is for:
- Pumped Well
- Observation Well

Remarks:
- Start recovery

### End Test

Date: __________  Hour of day: __________

Additional Remarks:

Person in charge of pump test (print): __________________________

Signature: __________________________

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.

CWRM LTAT Form 1/9/96
## ANNUAL GROUND WATER USE REPORT FOR

Sacred Haleakala Realty Trust
c/o James B. Nicoll
P.O. Box 356
Pa'ia, Hawaii 96779

Report Submitted for the Year 19

**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 587-0265 (Oahu only) or 1-800-468-4644 (neighbor islands).

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<th>Well Name</th>
<th>Measurement End Date (mm/dd/yy)</th>
<th>Quantity Pumped (gallons)</th>
<th>Method of Measurement*</th>
<th>Chloride (mg/l)**</th>
<th>Temp. (°F)</th>
<th>Lowest Pumping Water Level (ft. above msl)</th>
<th>Highest Non-pumping** Water Level (ft. above msl)</th>
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* - flow meter, electrical consumption, weir of flume, not metered (estimated)
** - indicate how long pump was on or off when chloride sample taken
*** - minimum time between pump/well turned off and water level measurement must be at least 24 hours; if pumping schedule did not allow for at least 24 hour rest during the month please indicate amount of hours pump was off before this measurement.

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

Well Construction  ✔  Pump Installation  ✔  WUP Req’d

Well Name: Kipahulu Nicoll  No. 3904-06 Island: Maui
Applicant: Sacred Haleakala Realty Landowner: Same
Consultant: Robertson Drilling  TMK: 1-0-9:13

Mapped: 29 Jan 96  Log comp: 28 Feb 96  Logbk: 28 Feb 96
Accepted: 17 Jan 96  +90 days: 16 Apr 96  Bulletin: Feb
Ch 343 pau: NA  Tent CWRM Action: 13 Mar 96
Fee Depos: 2/24/96

Sent  Comm
Acknowledgment: FEB 28 1996
DoH/Drink Water: FEB 28 1996
Wastewater: 3904-06 Nicoll

Submittal mailed: Faxed..Appl: 3rdP: 3904-06 Nicoll
CWRM: Appr  Deny  Consult: 
Cond.s routed to Survey: 

3-12-97
TO:  
Honorable Lawrence Miike, Director  
Department of Health  
Attention: Mr. Dennis Tulang, Wastewater Branch  
Mr. William Wong, Safe Drinking Water Branch

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

SUBJECT:  
Well Construction/Pump Installation Permit Application for  
Kipahulu-Nicoll Well (Well No. 3904-06)

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 March 28, 1996.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

Cl: ss  
Attachment(s)

Response:  

( ) We have no objections  
( ) Comments attached

Contact Person:  
Lori N. Kajiwara  
Phone: 586-4294

Signed:  
Lori N. Kajiwara  
Date: 3/7/96
TO: Honorable Lawrence Miike, Director
       Department of Health
       Attention:  Mr. Dennis Tulang, Wastewater Branch
                  Mr. William Wong, Safe Drinking Water Branch

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

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about this permit application, request additional information, or request additional review
time, please contact Charley Ice of the Commission staff at 587-0251.

Cl:ss
Attachment(s)

Response:

( ) We have no objections
✓ Comments attached

Contact Person: William Wong Phone: 586-4258

Signed: William Wong Date: Mar. 4, 1996
March 4, 1996

To: Charley Ice, DLNR, Commission on Water Resource Management

From: William Wong, P.E., Chief Safe Drinking Water Branch

Subject: WELL CONSTRUCTION/PUMP INSTALLATION PERMIT APPLICATIONS

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Applications for:

1) Ulupalakua-Esty Well (Well No. 3723-01)
2) Kipahulu-Nicoll Well (Well No. 3904-06)
3) Heaula-Martin Well (Well No. 5616-02)

Federal and state regulations define a public water system as a system that serves 25 or more individuals at least 60 days per year or has at least 15 service connections. All public water system owners and operators are required to comply with Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems.

The application indicates that this will be a new source of potable water. Section 11-20-29 of Chapter 20 requires that all new sources of potable water serving a public water system be approved by the Director of Health prior to its use. Such an approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.

The permit application indicates that the source will be used for potable water and irrigation. If the well doesn’t provide water to a public water system, I recommend the private owner perform bacteriological and chemical analyses prior to usage as a drinking water source and thereafter perform routine analyses to monitor the water quality. The potable water system shall be protected with proper backflow prevention devices to prevent cross connections between the potable water and irrigation water line.

WW:la

Enclosures
Mr. James Nicoll  
P.O. Box 356  
Paia, Hawaii 96779

Dear Mr. Nicoll:

Well Construction/Pump Installation Permit Application for  
Kipahulu-Nicoll Well (Well No. 3904-06)

We accepted your application for the captioned well on January 17, 1996, and hereby acknowledge that it is complete. You can expect your application to be processed for action within ninety (90) days from that acceptance date.

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

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director
TO: Honorable Lawrence Miike, Director
   Department of Health
   Attention: Mr. Dennis Tulang, Wastewater Branch
             Mr. William Wong, Safe Drinking Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application for
         Kipahulu-Nicoll Well (Well No. 3904-06)

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about this permit application, request additional information, or request additional review
time, please contact Charley Ice of the Commission staff at 587-0251.

Class
Attachment(s)

Response:

( ) We have no objections
( ) Comments attached

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
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**TOTAL** $76.00

**REMARKS:**

LINE (1) Well #5616-02

LINE (2) Well #3904-06

LINE (3) Well #2308-02

LINE (4)
APPLICATION FOR PERMIT

Well Construction or Pump Installation

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: Sacred Haleakala Realty Trust
      Contact Person: James Nicole
      Address: PO Box 335/Suite 145
      Fair, Maui HI 96729

   (b) LANDOWNER
      Firm/Name: Sacred Haleakala Realty Trust
      Contact Person: James Nicole
      Address: PO Box 335/Suite 145
      Fair, Maui HI 96729

   (c) CONTRACTOR
      Firm/Name: Robertson Drilling Co. Inc
      Address: 655 Kilauea Rd.
      Haiku HI 96708

2. WELL LOCATION/NAME: Kipahulu - Nicole
   Island: Maui
   Tax Map Key: 2-1-5-009-013
   (Attach a USGS map, scale 1" = 2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
      - Drill New Well
      - Modify Existing Well
      - Install New Pump
      - Replace Pump
      - Deepen Pump

   (b) WELL TYPE:
      - Dug
      - Bored
      - Driven
      - Drilled
      - Radial

4. PROPOSED PUMP INFORMATION:
   Pump Type:
   - Deep Well Turbine
   - Submersible
   - Centrifugal
   Rated Pump Capacity: 40 gallons per minute

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Domestic (individual, noncommercial water sys.)
   - Irrigation (crop)
   State Land Use District:
   - Urban
   - Agriculture

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

7. PENDING ACTIONS:
   - CDUA
   - SMA
   - EIS
   - EA
   - NONE
   - Other (explain)

8. REMARKS, EXPLANATIONS:

   (If more space is needed, continue on back)

NOTE: Signing below indicates that the applicant understands that, if the permit request is granted by the Commission on Water Resources Management, the proposed work is to be complete within two (2) years of the approved date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after the completion date of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that approval of the proposed permit 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: Sacred Haleakala Realty Trust
Landowner: Sacred Haleakala Realty Trust
Contractor: Michael Robertson

Signature:
Date: 12/09/95

For Official Use Only:
Date Received: 12-17-95
Date Approved: 12-29-95
Field Checked By: 12-10-95

Longitude: 
Latitude: 
Aquifer System Name: Kipahulu
State Well No.: 3-04-06

6/24/95 WCR F
Well will be cased and cement grouted with 6" casing 3 ft into bedded formation at approx. 100 ft. Then drill with 4" casing to 343 ft, with 35 ft in the bottom 20 ft.

9. PROPOSED WELL SECTION

- Elevation at top of casing: 350 ft, msl.
- Ground Elevation: 348 ft, msl.
- Cement Grout: 100 ft.
- Rock Packing: 50 ft.
- Hole Diameter: 10 in.
- Total Depth: 343 ft.

Solid Casing:
- Material: Steel to P.U.C.
- Length: 100 ft. (see description)
- Diameter: 6 in.
- Wall thickness: 0.25 in.

Casing: ☐ Perforated ☐ Screen
- Material: P.U.C.
- Length: 40 ft.
- Diameter: 4 in.
- Wall thickness: 0.25 in.
- Openings: 12 sq. in./L.F.

Open Hole:
- Length: 500 ft.
- Diameter: 10 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.
1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: Sacred Makena Rights Trust
   Contact Person: James Nicol
   Address: 595 Kuhio Hwy, Suite 145
   Paia, MAUI, HI 96779
   (b) LANDOWNER
   Firm/Name: Sacred Makena Rights Trust
   Contact Person: James Nicol
   Address: 595 Kuhio Hwy, Suite 145
   Paia, MAUI, HI 96779
   (c) CONTRACTOR
   Firm/Name: Residential Drilling Co.
   License No.: C 2015
   Address: 655 Kuhio Hwy
   HAIKU, HI 96738

2. WELL LOCATION/NAME: Kipahulu - Nicoll
   Island: MAUI
   Address
   Tax Map Key 2-1-6-009-013
   (Attach a USGS map, scale 1"=2000, and a property tax map showing well location referenced to established property boundaries)

3. (a) PROPOSED WORK:
   - Drill New Well
   - Modify Existing Well
   - Redrill
   - Deepen
   - Abandon/Seal
   - Install New Pump
   - Replace Pump
   - Modify Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

4. PROPOSED PUMP INFORMATION:
   Pump Type:
   - Deep Well Turbine
   - Submersible
   - Centrifugal
   - Rotary
   - Rotary-Displacement
   - Reciprocating
   - Impulse
   Motor:
   - Diesel
   - Gas
   - Electric, rated horsepower of

5. PROPOSED USE:
   (a) Municipal (including hotels, stores, etc.)
   (b) Domestic (individual, noncommercial water supply)
   (c) Irrigation (crop, Forage, Trees)
   (d) Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 5000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   - Flow-meter
   - Open-pipe
   - Orifice Plates
   - Well

7. PENDING ACTIONS:
   - CDUA
   - SMA
   - ES
   - EA
   - NONE
   - Other (explain)

8. REMARKS, EXPLANATIONS:

   (If more space is needed, continue below remarks, explanations.)

NOTE: Signing below indicates that the applicant understands that, if the permit requirements are met by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after a completion date of the permitted work. The applicant also understands that monthly water use data will be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute a determination of corrective water rights and shall not guarantee the pump capacity in future use up to the permitted pump capacity.

Well Owner
Signature
Date 12/23/15

Landowner
Signature
Date 12/23/15

Contractor
Signature
Date 12/23/15

For Official Use Only:
Date Received 12/23/15
Date Accepted
Field Checked By
Date
Longitude
State Well No. 3104 - 06
Aquifer System Name: Kapalua Aquifer
Well will be cased and cement grouted with 6" casing 3 ft into rock formation at approx 100 ft. Then lined with 4" casing to 348' with slabs in the bottom 20 ft.

9. PROPOSED WELL SECTION

Elevation at top of casing: 350 ft. msl.

Cement Grout: 100 ft.

Rock Packing: none

Hole Diameter: 10 in.

Total Depth: 348 ft.

Ground Elevation: 348 ft. msl.

Solid Casing:
- Material: steel
- Length: 100 ft.
- Diameter: 6"
- Wall Thickness: 0.328 in.

Double Sleeves:
- Outer to 100'
- Inner to 328'
- Bottom 20' perf.

Casing: Perforated Screen
- Material: P.U.C.
- Length: 20 ft.
- Diameter: 4 in.
- Wall Thickness: 0.25 in.
- Openings: 2, sq. in./ft.

Open Hole:
- Length: 348 ft.
- Diameter: 10 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.
TRUSTEE'S LIMITED WARRANTY DEED

DEED dated May 30th, 1995, between HAWAIIAN TRUST COMPANY, LIMITED, a Hawaii corporation, with principal offices located in Honolulu, Hawaii, as Trustee of LAND TRUST NUMBER 89459, said Trustee having all powers under the trust, including full powers to sell, convey, exchange, mortgage, lease, assign or otherwise deal with and dispose of all lands of the trust estate and interests therein, hereinafter called "Grantor", for good and sufficient consideration to it paid by JAMES R. NICOLL, whose mailing address is P. O. Box 358, Paia, Hawaii 96779, and ROY A. STOCKWELL, whose mailing address is 69 Horseshoe Lane, North Falmouth, Massachusetts 02556, as Trustees

Returned by Mail (X) Pickup ( ) To:
James R. Nicoll
Sacred Haleakala Realty Trust
P.O. Box 358
Paia, Hawaii 96779

TG: 209221-1A
TGE: 95-203-0072
Riki Inciong

TMK: (2) 1-6-008-013
Lot No. 1, Aina O Kipahulu Subdivision
of the SACRED HALEAKALA REALTY TRUST, an unrecorded trust, said Trustees having all powers under the trust, including full powers to sell, convey, exchange, mortgage, lease, assign or otherwise deal with and dispose of all lands of the trust estate and interests therein, hereinafter called "Grantee", the receipt of which is hereby acknowledged, does hereby grant, bargain, sell and convey to Grantee, in the tenancy hereinafter described, all of its right, title and interest in and to the property described on Exhibit "A" attached hereto and made a part hereof.

AND the reversions, remainders, rents, issues and profits thereof, and all of the estate, right, title and interest of Grantor, both at law and in equity, therein and thereto.

TO HAVE AND TO HOLD the same, together with all buildings, improvements, rights, easements, privileges and appurtenances thereon and thereto belonging or appertaining or held and enjoyed therewith to Grantee, as Trustees under the provisions of the above-identified trust, and to their successors in trust and assigns.

AND the Grantor, for itself and its successors, hereby covenants with the Grantee and Grantee's successors in trust and assigns that said premises are free and clear of all encumbrances made or suffered by it except as aforesaid and except real property taxes for the current year, which are to be prorated as of the date hereof; and that it will warrant and defend the same unto the Grantee and Grantee's successors in trust and assigns, forever, against the lawful claims and demands of all persons claiming by, through or under it, except as aforesaid.

IN NO CASE shall any party dealing with said Trustees in relation to
said premises, or to whom said premises or any part thereof shall be conveyed, contracted to be sold, leased, or mortgaged by said Trustees, be obligated to see to the application of any purchase money, rent or money borrowed or advanced on said premises, or be obligated to see that the terms of said trust have been complied with, or be obliged to inquire into the necessity or expediency of any act of said Trustees, or be obliged or privileged to inquire into any of the terms of said trust agreement; and every deed, trust deed, mortgage, lease or other instrument executed by said Trustees in relation to said real estate shall be conclusive evidence in favor of every person relying upon or claiming under any such conveyance, lease or other instrument, (a) that at the time of the delivery thereof the aforesaid trust was in full force and effect; (b) that such conveyance or other instrument was executed in accordance with the trusts, conditions and limitations contained in said trust agreement or in some amendment thereof and binding upon all beneficiaries thereunder; (c) that said Trustees was duly authorized and empowered to execute and deliver every such deed, trust deed, lease, mortgage or other instrument; and (d) if the conveyance is made to a successor or successors in trust, that such successor or successors in trust have been properly appointed and are fully vested with all the title, estate, rights, powers, authorities, duties and obligations of its or their predecessors in trust.

In accordance with section 560:7-306(a) of the Hawaii Revised Statutes (1985), as amended, said Hawaiian Trust Company, Limited is executing this document solely in its capacity as Trustee as aforesaid, and is not assuming any personal liability in its corporate capacity hereunder. Any recovery against Grantor based on this deed shall be limited to the assets of the trust referred to above.

The terms "Grantor", "Grantee" and "Trustee" or "Trustees" shall
Include, if appropriate, the plural and in such case shall inure to the benefit of or bind, as the case may be, the Grantors and Grantees, jointly and severally, and their respective heirs, devisees, personal representatives, successors, successors in trust and assigns. The use of any gender includes all genders.

DATED on the date first above written.

HAWAIIAN TRUST COMPANY, LIMITED, TRUSTEE AS AFORESAID

By [Signature]

Its ASSISTANT VICE PRESIDENT

By [Signature]

Its REAL ESTATE OFFICER

Grantor