## SECTION 1: WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>Island</th>
<th>MAUl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquifer System</td>
<td>CENTRAL</td>
</tr>
<tr>
<td>Aquifer Sector</td>
<td>KAHULUI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proposed Use</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Withdrawal</td>
<td>28000</td>
</tr>
<tr>
<td>System Sustainable Yield</td>
<td>1</td>
</tr>
</tbody>
</table>

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

| Elevation at top of casing | 12 ft., m.s.l. |
| Ground Elevation | 20 ft., m.s.l. |
| Cement Grout | 35 ft. |
| Rock Packing | 0 ft. |
| Hole Diameter | 12.5 in. |
| Total Depth | 55 ft. |

| Estimated Head | 25 ft., m.s.l. |
| Calculated Aquifer Thickness | 102.5 ft. |
| County Water Supply (Y/N ?) | NO |

<table>
<thead>
<tr>
<th>Solid Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
</tr>
<tr>
<td>Designation</td>
</tr>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Diameter</td>
</tr>
<tr>
<td>Wall Thickness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
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<td>Wall Thickness</td>
</tr>
<tr>
<td>Openings</td>
</tr>
<tr>
<td>Open Hole</td>
</tr>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Diameter</td>
</tr>
</tbody>
</table>

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

### Well Depth
- Theoretical Thickness of Aquifer: 102.5 ft.
- 1/4 Aquifer Thickness: 25.63 ft.
- Depth of Well below Sea Level: 15 ft.
  - okay (refer to HWCPIS Section 2.2)
  - (disregard if the well is not basal, deep monitor or salt water)

### Well Casing
- Minimum Wall Thickness
  - Material: PVC
  - County or Non-County: non-county
  - Minimum Thickness per standards: 0.280 in.
  - Wall Thickness Provided: 0.250 in.
  - Minimum Length of Solid Casing: 33.75 ft.
    - 90% of ground to top of aquifer: 30.375 ft.
    - Length of solid casing Provided: 45 ft.
    - okay (refer to HWCPIS Section 2.4 d)
    - if the cell above reads N/A, reference HWCPIS

### Annular Space
- Depth of Grouting provided: 35 ft.
  - okay (refer to HWCPIS Section 2.6 c)
- Thickness of Annular Space: 3.25 in.
  - okay (refer to HWCPIS Section 2.6 d)
<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo</th>
<th>Tnr Property Address</th>
<th>Owner/Lessee</th>
<th>Beds</th>
<th>Baths</th>
<th>Land area</th>
<th>Living area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3-8-71-81</td>
<td>Kahului</td>
<td>F 635 HINA AVE</td>
<td>GRACE BIBLE CHURCH MAUI</td>
<td>0</td>
<td>0</td>
<td>1.00 ac</td>
<td>11619</td>
</tr>
</tbody>
</table>

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
Mr. Michael Robertson  
Wailani Drilling, Inc.  
1885 Main Street, #408  
Wailuku, HI 96793

Dear Mr. Robertson:

Expiration of Well Construction/Pump Installation Permit for Well No. 5228-21

This is notice that your Well Construction/Pump Installation Permit for the Hina St-Grace Bible Church Well (Well No. 5228-21) expired on September 19, 2005.

Based on your conversation with staff, we understand no work was done and there are no current construction plans for the well. Therefore, the permit expiration date will not be extended. You can reapply for a new permit at any time in the future should you decide to recommence this activity.

Please be aware that no further work should be done on this well without a valid signed permit. Work without a valid and active permit or failure to adhere to conditions of the permit is a violation of the state water code and may be subject to fines of up to $5000 per day.

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

Sincerely,

DEAN A. NAKANO  
Acting Deputy Director

Cl:ss  
c: Grace Bible Church
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

FAX: Transmitting 1 pages, including this one; call 587-0251 with any reception problems.

TO: Mike Robertson

FROM: Charley Ice

Howzit Mike!

Here are 5 loose ends - permits due to be canceled because they have expired.

1. 5514-10 Summer (signed permit rec'd - ready to drill)
2. 5831-08 Sarasin need extension
3. 5228-21 Hanai St. Grace Bible Church - cancelled
4. 3805-01 Kalepa Stirr WCRR enclosury
5. 5831-01 Winn - no SMA rec'd yet need extension & reissue

If there is new info, please submit
If extensions are needed, please request
Otherwise all 5 will be canceled.

Return Fax: 587-0219
Return Post: P.O.Box 621, Honolulu 96809
Howzit Mike!

Here are 5 loose ends — permits due to be canceled because they have expired.

5514-10  Summer  (signed permit rec'd — ready to drill)
5631-08  Serasin
5228-21  Hina St  Grace Bible Church
3805-01  Kalaupapa
5831-01  Wimm — no SMA rec'd yet

If there is new info, please submit
If extensions are needed, please request
Otherwise all 5 will be canceled.
To: Charley Ice  
For: Water Resource Commission  
Re: Start Work Notice  

Dear Charley:

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

- Waiohuli St Theresa Church Well No. 4527-16  
- Grace Bible Church Well No. 5228-21  

Please fax receipt form to me to confirm.

Thank You,

Michael Robertson

Date 4/19/2005
in accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hina St. - Grace Bible Church (Well No. 5228-21) at 835 South Hina Street, Maui, TMK 3-8-71:81, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

2. The well construction permit shall be for construction and testing of the well only. A minimum 1½-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

4. The permittee, well operator, and/or well owner shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

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

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

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

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

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

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

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

12. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: September 19, 2003
Expiration Date: September 19, 2008

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ____________________________
Printed Name: Edward S. Asato
Firm or Title: Grace Bible Church, Maui, President

Driller's Signature: ____________________________
Printed Name: Michael Robertson
Firm or Title: Wailani Drilling Inc.

Attachment:

C: USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Wailani Drilling Inc.
WELL CONSTRUCTION PERMIT
Hina St. - Grace Bible Church Well, Well No. 5228-21

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

In accordance with Department of Land and Natural Resources, Commission on Water Resources Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hina St. - Grace Bible Church Well (Well No. 5228-21) at 635 South Hina Street, Maui, TMK 3-8-71:81, subject to the Hawaii Well Construction & Pump Installation Standards (123/87) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resources Management (Commission), P.O. Box 621, Honolulu, HI 96808, shall be notified in writing, at least two (2) weeks before any work authorized by this permit commences, and shall be allowed to inspect installation activities in accordance with §13-195-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1¼-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pump test in accordance with the Standards (a pump test worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to the Department for a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

4. The permittee, well operator, and/or well owner shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

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

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

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

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

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 25, 1997, HWCRS). If the HWCRS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-1(2) prior to any well sealing or plugging work.

12. The permittee, his successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death, or any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: September 19, 2003
Expiration Date: September 19, 2008

PETER T. YOUNG, Chairperson
Commission on Water Resources Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1,000 per day starting from the permit date of approval.

Permittee's Signature: Michael Robertson
Firm or Title: Grace Bible Church
Date: 03-06-04

Printed Name: Michael Robertson
C-57 License #: 3315
Date: 11-20-04

Driller's Signature: Michael Robertson
Firm or Title: Waiakea Drilling, Inc.

Printed Name: Michael Robertson
Firm or Title: Waiakea Drilling, Inc.

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

Attachment
- USGS
  Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
  U.S. Department of Water Supply
  Waiakea Drilling, Inc.
Charley,

Enclosed are the following items:

- [ ] W.C. Permit application for Saint Theresa Church (5 copies)
- [x] W.C. Permit (signed) for Grace Bible Church
- [x] USGS and TMK maps for St. Theresa Church
- [x] $25.00 check for 1 application

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

Thank you.

Sincerely, Michael Robertson

also rec'd application for Ke'Aihi #2 wells
- no indication of proposed pumping rate
- no acreage provided for landscaping use
- no boxes checked for CDUP or EA

please see old fax on Nahiku-Harlow Well 4904-01
November 12, 2003

Ref: 5228-21.wcp

Ms. Jean Oyama
Grace Bible Church
635 South Hina Street
Kahului, HI  96732

Dear Ms. Oyama:

Well Construction Permit
Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

**Special Conditions**

1. Attached for your information is a copy of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

2. The well casing shall meet the minimum thickness required in the Hawaii Well Construction and Pump Installation Standards (HWCPIS, January 1997).

3. The landowner shall forward any completed archeological study materials to the Division of Historic Preservation (HP) for their review. All who do work on this parcel should be be aware of potential historic site disturbance that could incur delays to development.

This permit **does not** authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (1/23/97) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:
"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."

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

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

**IMPORTANT** - Drilling work shall not commence until a fully signed permit is returned to the Commission. Please provide all the information in this packet to your well drilling contractor. The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

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

Sincerely,

[Signature]
Peter T. Young
Chairperson

Enclosures

c: Wailani Drilling, Inc.
WELL CONSTRUCTION PERMIT

Hina St. - Grace Bible Church Well, Well No. 5228-21

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

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hina St. - Grace Bible Church (Well No. 5228-21) at 635 South Hina Street, Maui, TMK 3-8-71-81, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

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

12. The permittee, its successors, and assigns shall indemnify, defend, and hold the Chairperson, its agents, contractors, and agents under this permit or relating to or connected with the granting of this permit harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: September 19, 2003
Expiration Date: September 19, 2005

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: ___________________________

Printed Name: ___________________________ Firm or Title: ___________________________

Driller's Signature: ___________________________ C-57 License #: ___________________________ Date: ___________________________

Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachment

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

USGS
Department of Health Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Wailani Drilling, Inc.
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE

FROM: CHARLEY BAUER, G. CHING, F. DANBARA, S. FUJII, N. GOODING, K. HARDY, R. HIRANO, E. ICE, C. IMATA, R. JINNAI, R.  
TO: BAUER, G. CHING, F. DANBARA, S. FUJII, N. GOODING, K. HARDY, R. HIRANO, E. ICE, C. IMATA, R. JINNAI, R.  
INIT. KUNIHARA, I. MATTHIAS, T. NAKAMURA, R. LAU, E. SUBIA, S. SWANSON, S. UYENO, D. YODA, K.  
DATE: ________ SUSPENSE DATE: ___________ FOR: Approval Signature Information  
PLEASE: See Me Review & Comment Take Action Type Draft Type Final File Xerox ______ copies  

WELL NUMBER 5228-21 WELL NAME Hina St. - Grace Bible Church  
☐ WELL CONSTRUCTION  
ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:  
1 COVER LETTER  
2 PERMIT (2x)  
3 SDWB  
4 WWB  
5 CWB  
6 HEER  
7 LD  
8 HP  
9 PUMP TEST  
10 WCR I FORM  
11 WELL CHECK PRINTOUT  
FOR OFFICE USE ONLY  

☐ PUMP INSTALLATION  
ATTACHMENTS FOR PUMP INSTALLATION PERMIT:  
1 COVER LETTER  
2 PERMIT (2x)  
3 SDWB  
4 WWB  
5 CWB  
6 HEER  
7 LD  
8 HP  
9 WCR II FORM  
10 WUR FORM  
11 GLENN'S WORKSHEET  
FOR OFFICE USE ONLY  

☐ ALL  
☐ NO  

OZ Nov 03 still no reply
TO:  Dede Mamiya, Administrator  
Land Division

FROM:  Ernest Y.W. Lau, Deputy Director  
Commission on Water Resource Management

SUBJECT:  Well Construction/Pump Installation Permit Application  
Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application with regard to the  
programs, plans, and objectives specific to your division. Please respond by returning this  
cover memo form by September 12, 2003. If we do not receive comments or a request for  
additional review time by this date, we will assume you have no comments.

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

RESPONSE:

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

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

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

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

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

[ ] No objections

[ ] Other comments: Original source of private title was issued prior to statehood.

Contact Person: Gary Martin  
Phone: 587-0421

Signed: Gary Martin  
Date: SEP 23 2003
TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
Attention: Harold Yee, Wastewater Branch
          William Wong, Safe Drinking Water Branch
          Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
          Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

CLASS
Attachment(s)

RESPONSE:

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

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

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

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

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

An NPDES permit is required.

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

No comments/objections

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

Signed: Chan N. Kajiwara
Date: 9/12/2003
TO: Honorable Chiome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawakoe, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 808-587-0251.

Class Attachment(s)

RESPONSE:

1. This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more water connections) and must receive Director of Health approval prior to being used to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 29, Rules Relating to Potable Water Systems, §§11-28-29.

2. This well does not qualify as a source serving a public water system serving less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before using such water and regularly monitor the water quality thereafter. However, if the water from this source becomes a part of the public water system developed from Director of Health approved is required prior to implementation.

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

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

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

6. An NPDES permit is required.

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

8. No comments or objections.

Contact Person: Bill Wong
Phone: 808-642-58
Signed: Bill Wong
Date: 9/19/03
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

Class
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 28, Rules Relating to Public Water Systems, §11-28-601.

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

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

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

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

An NPDES permit is required.

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

Contact Person: Dr. Keith Kawaoka
Phone: 586-4249
Signed: ___________________________ Date: SEP 15 2003

Fax to: Commission on Water Resources Mgt. 587-0219
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith KaWaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

Cl: ss
Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §§11-20-10, 25.

[1] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 16 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[1] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and dead-end 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 objects with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

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

[1] For the applicant's information, a source of possible wastewater contamination [1] is [1] is not located near the proposed well site (information attached).

[1] An NPDES permit is required.

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

[1] No comments/objections

Contact Person: Alec Wong Phone: 586-4307
Signed: Alec Wong Date: 09/03/03

030403
The Department of Health, Clean Water Branch has the following comments:

1. **For Well-Drilling Activities**

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

2. **For Well Pump Testing**

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

JS/cr
Thanks for your comments on the Hina St. Grace Bible Church Well (5228-21). We'll try to provide more specific locations for wells. To that end, here's one for the well in question.

We'll forward all comments to the driller.

I've superimposed an inset of the detailed parcel plot over the plat map, oriented the same way. Hope you can make it out.
MEMORANDUM

TO: Ernest Y.W. Lau, Deputy Director State of Hawaii
    Commission of Water Resource Management

FROM: P. Holly McEldowney, Acting Administrator
    State Historic Preservation Division

SUBJECT: Chapter 6E-42 Historic Preservation Review – Well Construction/Pump Installation Permit Application for the Proposed Hina St. – Grace Bible Church Well (Well No. 5228-21) [State/COWRM] Wailuku Ahupua‘a, Wailuku District, Island of Maui
    TMK: (2) 3-9-071:081

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Application for the proposed Hina St. – Grace Bible Church Well, which was received by our staff September 9, 2003. Our review is based on reports, maps, and aerial photographs maintained at the State Historic Preservation Division; no field inspection was conducted of the subject property. Our review is late, and we apologize for any inconvenience this may cause you or the applicant.

Based on the submitted application, we understand the proposed undertaking consists of the construction of a well/pump installation at the previously developed Grace Bible Church property on Hina Street, Wailuku. We note the map included with permit application does not indicate where the well is to be located on the subject property.

A search of our records indicates an archaeological inventory survey has not been conducted of the subject property. This area in general is likely to have once been the location of pre-Contact farming, perhaps with scattered houses. The USDA Soil Survey indicates the subject property is located in the Jaucus Sand deposit, which is known to contain both isolated and clusters of human burials. In addition, our records indicate an historic cemetery is located immediately to the east of the Grace Bible Church property line with the nearest grave marker located approximately 12 feet inside this line (SHPD DOC NO.: 9708BD03/LOG NO.: 20032). Thusly, we believe it is likely that intact historic sites and/or sites previously disturbed during the development of the subject property may be present in the subsurface deposits of the subject property. Ground altering activities associated with the well construction/pump installation may impact any sites which are present. Given the above information, we believe there will be “no
historic properties affected with precautionary monitoring". Therefore, we recommend the following conditions be attached to the subject Well Construction/Pump Installation Permit Application, should it be approved.

1) A qualified archaeological monitor shall be present during ground-altering activities for the construction of the garage and utility installations in order to document any historic properties which may be encountered during the proposed undertaking and to provide mitigation measures as necessary. An acceptable archaeological monitoring plan will need to be submitted to the State Historic Preservation Division for review, prior to the commencement of any ground-altering activities. An archaeological monitoring plan must contain the following nine specifications: (1) The kinds of remains that are anticipated and where in the construction area the remains are likely to be found; (2) How the remains and deposits will be documented; (3) How the expected types of remains will be treated; (4) The archaeologist conducting the monitoring has the authority to halt the construction in the immediate area of the find in order to carry out the plan; (5) A coordination meeting between the archaeologist and construction crew is scheduled, so that the construction team is aware of the plan; (6) What laboratory work will be done on remains that are collected; (7) A schedule of report preparation; (8) Details concerning the archiving of any collections that are made; and (9) An acceptable report documenting the findings of the monitoring activities shall be submitted to the State Historic Preservation Division for review upon 180 days following the completion of the proposed undertaking.

2) The State Historic Preservation Division (Maui and O'ahu offices) shall be notified via facsimile upon the on-set and completion of the proposed undertaking.

If you have any questions, please call Cathleen A. Dagher at 692-8023.

CD:jen

c: Chair, Maui-Lana'i Islands Burial Council
Mr. Kana'i Kapeliela, Burials Sites Program
Cultural Resources Commission, Planning Dept, 250 S. High Street, Wailuku, HI 96793
Michael Foley, Director, Dept of Planning, 250 South High Street, Wailuku, HI 96793
Ms. Jean Oyama  
Grace Bible Church  
635 South Hina Street  
Kahului, HI 96732  

Dear Ms. Oyama:  

Well Construction/Pump Installation Permit Application for Well No. 5228-21  

We acknowledge receipt, on August 13, 2003, of your completed Well Construction/Pump Installation permit application and filing fee for the Hina St. - Grace Bible Church Well (Well No. 5228-21). You can expect your application to be processed within ninety (90) days from this date.  

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

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

Sincerely,  

[Signature]  

ERNEST Y.W. LAU  
Deputy Director  

Cl:ss  
c: Wailani Drilling, Inc.
TO: Honorable Chiyome L. Fukino, M.D., Director<br>Department of Health<br>Attention: Harold Yee, Wastewater Branch<br>William Wong, Safe Drinking Water Branch<br>Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response<br>Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson<br>Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application<br>Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

RESPONSE:

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

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

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

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

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

[ ] An NPDES permit is required.

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

[ ] No comments/objections

Contact Person: __________________________ Phone: ____________
Signed: __________________________ Date: ____________
TO: Dede Mamiya, Administrator
    Land Division
FROM: Ernest Y.W. Lau, Deputy Director
SUBJECT: Well Construction/Pump Installation Permit Application
          Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application with regard to the
programs, plans, and objectives specific to your division. Please respond by returning this
cover memo form by September 12, 2003. If we do not receive comments or a request for
additional review time by this date, we will assume you have no comments.

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

CI:ss
Attachment(s)  

RESPONSE:  
[ ] A water lease/permit is required of this applicant and an application for such will be requested by our
division.
[ ] A water lease/permit is not required of this applicant.
[ ] A water lease/permit has been obtained by the applicant through lease no. ____________________________
[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has
    [ ] has not been approved and [ ] is [ ] is not currently active.
[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.
[ ] No objections
[ ] Other comments:

Contact Person: _______________________________ Phone: _______________

Signed: ____________________________________ Date: __________________
To: Holly McEldowney, Acting Administrator
   Historic Preservation

From: Ernest Y.W. Lau, Deputy Director
      Commission on Water Resource Management

Subject: Well Construction/Pump Installation Permit Application
         Hina St. - Grace Bible Church Well (Well No. 5228-21)

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

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by September 12, 2003. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

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

RESPONSE:

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

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

[ ] No objections

[ ] Other comments:

Contact Person: _________________________ Phone: ______________

Signed: ___________________________ Date: ______________
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: **CHARLEY**  DATE: **21-Aug-03**  SUSPENSE DATE: __________

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WELL NUMBER **5228-21**  WELL NAME **Hina-Grace Bible**

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

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated

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

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

INCOMPLETE ACTION DATES:

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**REMARKS:**

LINE (1) Well No. 1901-06, 1902-09 to 11
LINE (2) Hina-Grace Bible Well (TMK: 3-8-71:81)
LINE (3) Kaupakalua-Upcountry LLC Well (TMK: 2-7-13:50)
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96808. Application must be accompanied by 5 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225.

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

1. (a) WELL OWNER: Grace Bible Church Contact Person: Jean Owen Phone: 877-5331
   Mailing Address: 635 South Hina Ave., Kahului, HI, 96732
   Fax: 877-5330
   (b) LAND OWNER: Grace Bible Church Contact Person: Edward Asato Phone: 877-5331
   Mailing Address: 635 South Hina Ave., Kahului, HI, 96732
   Fax: 877-5330
   (c) CONTRACTOR: Waikiki Drilling Inc Contact Person: Michael Robertson Phone: 572-2673
   Mailing Address: 1655 Kulike Rd., Haiku, HI, 96732
   Fax: 572-0928

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

2. WELL NAME: Hina - Grace Bible
   Island: MAUI
   Address: 635 South Hina Ave., Kahului, HI 96732
   Tax Map Key: Zone  _______ Sec _______ Plat _______
   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quadrat map
   (b) a property tax map, showing well location referenced to established property boundaries

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

   *State Well No.: ________________________ (If unknown, please call Commission at 587-0225)

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

5. PROPOSED PUMPING RATE:
   - 60 gallons per minute

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

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 28,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      ☐ Flowmeter ☐ Open-pipe ☐ Weir ☐ Orifice ☐ Other (explain):

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OECG at 586-4185
   Special Management Area Permit (SMAP) To determine if a SMAP is necessary: on Oahu, call 527-5374; on Maui, call 961-8288; for Kauai, call 241-8677.

9. REMARKS, EXPLANATIONS:

   Please apply DAD-ADM 98-05 for pump use
   " ___ gallons per day"
   (If more space is needed, please attach additional sheet)

NOTE: Signing below indicates the signatories understand and agree that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that approval of this application attaches the following standard conditions: 1) the proposed work to be completed within 2 (two) years of the approval date; 2) the contractor shall submit to the Commission a well completion/bandonishment report within 90 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $100/day.

Well Owner: Grace Bible Church Signatures: ___________ ___________ ___________ ___________
(print legibly) (print legibly) (print legibly) (print legibly)
Date: 7/30/93 Date: 7/30/93 Date: 8/16/93

For official use only
Latitude ____________________________
Aquifer System No. __________________
Longitude __________________________
State Well No. ______________________

WCPMA Form 821/01
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Hole Diameter: 12 1/2 in.

Elevation at top of casing 41 ft., max

Minimum of 2" Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

Ground Elevation: 40 ft., max

Cement Grout: 2 1/2 ft. (min. 75% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

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

Rock or Gravel Packing:

Material:
- Crushed Basalt
- Rounded Gravel

Estimated Water Level Elevation: 2 1/2 ft., max

Solid Casing: ± 90% x (Ground Elevation - Water Level Elevation)
Total Length: 45 ft.
Nominal Diameter: 12 in.
Wall Thickness: 2 1/2 in.
Bottom Elevation: -15 ft., max

Open Casing: or Perforated □ Screen
Total Length: 10 ft.
Nominal Diameter: 12 in.
Wall Thickness: 2 1/2 in.
Bottom Elevation: -15 ft., max

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.

Solid Casing: (± 90% x (Ground Elevation - Water Level Elevation))
Total Length: 45 ft.
Nominal Diameter: 12 in.
Wall Thickness: 2 1/2 in.
Bottom Elevation: -15 ft., max

Open Casing: □ Perforated □ Screen
Total Length: 10 ft.
Nominal Diameter: 12 in.
Wall Thickness: 2 1/2 in.
Bottom Elevation: -15 ft., max

Note: Neither bentonite nor mud should be used in saturated zone during drilling.

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

For non-salt waterBasal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = (Water Elevation - 5 ft. Water Level Elevation)

Example: Estimated + 2 ft. Water Level Elevation. => Bottom Elevation of Well Limit = (2 - 5(2, 1/4)) = -18.5 ft.

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  - □ Filament Wound Resin Pipe conforming to ASTM D3995
  - □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  - □ Filament Wound Resin Pipe conforming to ASTM D3995
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