# Commission on Water Resource Management

## Route Slip for Permit Issuance 5/19/05

**From:** [Signature]

**Date:**

**Suspense Date:**

### TO

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**WELL NUMBER** 3687-36

**WELL NAME** Iwaida

**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. OCCL
10. SMA
11. WELL CHECK PRINTOUT

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CWB
6. HEER
7. LD
8. HP
9. OCCL
10. SMA
11. GLENN'S WORKSHEET

**Approval**

**Signature**

**Information**

---

**SUSPENSE DATE:** 5/19/05

**TO BE SENT TO APPLICANT**

---

**File**

**Xerox copies**
Ref: 3687-36.wcp

Mr. Fred Page  
Fred Page Drilling International  
P.O. Box 1434  
Pahoa, HI 96778

Dear Mr. Page:

Well Construction Permit  
Iraida Well (Well No. 3687-36)

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 a 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 are copies 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.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrrm/forms.htm.

**IMPORTANT** - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

Peter T. Young  
Chairperson

Enclosures

c: David Jwanisik (with applicable comments -- DOH SDWB, WWB, CWB)  
USGS  
Hawaii DWS
WELL CONSTRUCTION PERMIT
Iraida Well, Well No. 3687-36

Note: This permit shall be prominently displayed at the construction 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 Iraida Well (Well No. 3687-36) at TMK 1-5-061: 010, Hawaii, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrml/forms.htm). The permittee shall submit to the Chairperson the results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. 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.

5. 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.

6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' Division of Historic Preservation.

7. 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.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrml/forms.htm for current form).

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

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. 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 the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project 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.

13. 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.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: August 10, 2006
Expiration Date: August 10, 2008

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: __________________________ C-57 License #: C-16653 Date: __________________________
Printed Name: Fred Page Firm or Title: Fred Page Drilling International

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

Attachment
Ref: 3687-36.pip

Mr. Fred Page
Fred Page Drilling International
P.O. Box 1434
Pahoa, HI 96778

Dear Mr. Page:

Pump Installation Permit
Iraida Well (Well No. 3687-36)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Attached for your information are copies 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.

The permittee is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

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

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

[Signature]
Peter T. Young
Chairperson

Enclosure

c: David Jwanisik (with applicable comments – DOH SDWB, WWB, CWB, Land Division)
USGS
Hawaii DWS
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 Iraida Well (Well No. 3687-36) at TMK 1-5-061:010, Hawaii, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

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

2. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 15 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water-level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within 60 days after completion of work. This form can be obtained by contacting staff or on the internet at www.hawaii.gov/dlnr/cwrm.

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

9. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

10. 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 the date the permit expires.

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

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

Date of Approval: August 10, 2006
Expiration Date: August 10, 2008

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer's Signature: __________________________ C-57, C-57a, or A License #: C-16653 Date: __________________________
Printed Name: Fred Page Firm or Title: Fred Page Drilling

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

Attachments
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
Acting Branch Chief, 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
Imada Well (Well No. 3687-36)

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 August 10, 2006. 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 Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of reliable water to a public water system (defined as serving 25 or more people at least 60 days per year or 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Chapter 20, Public Utilities, Subchapter A, Public 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 the drinking water and chemical presence before entering such use and notify the Department of Health. However, if future planned use from this source increases to meet the public water system definition, the Director of Health approval is required prior to its implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a simple system, the user shall eliminate cross-contamination and backflow prevention by physically separating potable and non-potable systems by an air gap or an approved backflow prevention device, and by clearly labeling all non-potable pipes 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 has been located near the proposed well site (information attached).

[ ] An NTDES permit is required.

[ ] Other relevant DOC or WQA reports, information, or recommendations are attached.

[ ] In the event that the location of the well changes but still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/recommendations

Contact Person: Stuart Yamača
Phone: 586-4258

Signed: [signature]
Date: 7/13/06
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Iraida Well (Well No. 8-3687-36 Hawaii):

**Underground Injection Control (UIC) Comments:**

In general, a shallow well, or a well that recharges quickly from local rainfall, should not be used as a potable water source because such a well increases the risk of having unsatisfactory groundwater quality that when consumed may compromise health. Factors that directly influence a well's groundwater quality include wastewater disposal systems (cesspools, septic systems, drainage wells), lawn/garden/crop-growing activities, and even the proximity to the ocean where salt water intrusion may occur.
July 7, 2006

TO: Russell Tsuji, Administrator
    Land Division

FROM: Dean A. Nakano, Acting Deputy Director
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Iraida Well (Well No. 3687-36)

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 August 10, 2006.** 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 Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

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

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

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

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

[ ] No objections

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

Contact Person: Gary Martin
                Phone: 587-0421

Signed: [Signature]
        Date: JUL 12, 2006
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
Acting Branch Chief, 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
Iraida Well (Well No. 3687-36)

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 August 10, 2006. 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 Ryan Imata of the Commission staff at 587-0255.

RI: 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 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

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

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

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

6. An NPDES permit is required.

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

8. In the event that the location of the well changes but it is still within the parcel described on this application, our division determines the comments to still be applicable, and we do not need to review the new location.

Contact Person: Lon Monkami
Phone: 586-4234
Date: 07-11-06
Signed: L. Monkami
A septic tank file has been found and the following information is provided. In general, the Department of Health has reviewed and approved of the plans based on the information submitted as verification that a treatment individual wastewater system (IWS) such as a septic tank was constructed and authorized to be used for wastewater disposal from a building/dwelling.

Tax Map Key number: 13 5 061 10
Address: Hawaiian Paradise Park Lot #36
Septic Tank File #: 08446
Applicant Name: David & Jwanisik

Submit Plan Date: 03/30/2006
Plan Approval Date: 04/11/2006
Inspection Date: 
System Approved for Use Date: 06/09/2006
BPA Date: 04/20/2006

System / Disposal Via: Septic Tank / Bed
Use For: 3 Bedrooms
Designed By: Nickel
Percolation Rate / Capacity: 1 min/in / 1000 gallons

For further information, you may call the Wastewater Branch engineer as listed:

[ ] For Oahu & Kauai: contact Johnny Ong at the Wastewater Branch office on Oahu at (808) 586-4294

[ ] For Kona: Dane Hiromasa at the Kealakekua Health Center at (808) 322-1507

X For Hilo: Jerry Nunogawa at the Hawaii District Health Office at (808) 933-0401

[ ] For Maui: Roland Tejano at the Maui District Health Office at (808) 984-8232

cesspool faxes.wpd sam revised January 10, 2006
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 27
HONOLULU, HAWAII 96829

July 7, 2006

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
Acting Branch Chief, 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

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 August 10, 2006. 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 Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

This well qualifies as a source which will serve as a source of possible water to a public water system (defined as serving 25 or more people or at least 60 days per year or 15 or more service connections) and must receive Director of Health approval prior to use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, 41-120-29.

This well does not qualify as a source serving a public water system (serves less than 25 people or serves people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the well owner should test for microbiological and chemical presence before obtaining such water and only monitor the water quality thereafter. However, if more than planned use from this source increases to more than 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-contamination and backflow discussions by physically separating potable and non-potable systems by an air gap or by approved backflow preventers, and by clearly labeling all non-potable supplies with written 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.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/observations.

Contact Person: Alice Young
Phone: 881-4309

Signed:       Date: 7/1/06
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) 586-4306 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
**Well Check Program**
4/1/04 - Revised for update to Well Standards (February 2004)

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<td>Solid Casing Wall Thickness</td>
<td>0.25</td>
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<tr>
<td>Open Casing Length</td>
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### Results

#### Well Depth
- Theoretical Thickness of Aquifer: 410
- 3/4 Aquifer Thickness: 102.5

#### Depth of Well below Sea Level: 0 okay

#### Well Casing
- Minimum Wall Thickness
  - Material: Steel
  - Minimum Thickness per standards: N/A
  - Wall Thickness Provided: 0.25 N/A
  - Minimum Length of Solid Casing: 37.5
  - 90% of ground to top of aquifer: 42 okay
  - Length of solid casing Provided: 42 okay
  - Casing Material: ASTM A53
  - in compliance
  - (for pvc only - check for 200' limit): okay

#### Annular Space
- Depth of Grouting
  - Calculated Depth of Grouting: 29.4
  - Depth of Grouting provided: 40 okay
  - Minimum Annular Space required: 1.5
  - Thickness of Annular Space: 3 okay
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: RYAN
DATE: 21-Apr-06
SUSPENSE DATE: ____________

TO: CHING, F.
INIT: 4
TO: NAKAMA, L.
INIT: 1
FOR: 1 Approval

TO: FUJII, N.
INIT: NAKANO, D.
INIT: 1 Signature

TO: GOODING, K.
INIT: OHYE, M.
INIT: 1 Information

TO: HARDY, R.
INIT: SAKODA, E.
INIT: 1

TO: HIGA, D.
INIT: SWANSON, S.
INIT: 1

TO: HOAGBIN, S.
INIT: UYENO, D.
INIT: 1

TO: ICE, C.
INIT: YODA, K.
INIT: 1

TO: IMATA, R.
INIT: YOSHINAGA, M.
INIT: 1

TO: KUNIMURA, J.
INIT: 1

PLEASE:

See Me
1 Review & Comment

Take Action
1 Type Draft acknowledgement

Type Final whole signature, label file folder
1 File

Xerox __ copies

WELL NUMBER: 3697-36
WELL NAME: Iraida

WELL CONSTRUCTION

PUMP INSTALLATION

PUMP INSTALLATION

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 PERMIT PROCESS TABLE
3 CWRM MAP

4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNER VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN
10 BACKGROUND CHECK
11 $25 FEE DEPOSIT SLIP
12 SHA/CDU/SHA pre-screen

(SMA map printout http://gis.hicentral.com/website/parcelzoning/viewer.htm, or INGRID'S SMA/CD MAP)
(LUC map printout http://luc.state.hi.us/luc_maps.htm, or INGRID'S SMA/CD MAP)

FOLDER:

MADE NEW FILE FOLDER, ATTACHED

FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:

DATE ACTION

need to clean up

Swamis is well owner? (Not Page) yes per Fin 015
July 7, 2006

Mr. Fred Page
Fred Page Drilling International
P.O. Box 1434
Pahoa, HI 96778

Dear Mr. Page:

Well Construction/Pump Installation Permit Application for Well No. 3687-36

We acknowledge receipt, on June 5, 2006, of your completed Well Construction/Pump Installation permit application and filing fee for the Irita Well (Well No. 3687-36). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By this acceptance letter, we are also notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of well construction/pump installation completion letter is issued to the well operator and landowner. Additionally, the permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity. No certificate of pump installation will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. In other words, you may need to remove the pump and install a smaller pump at the Commission’s discretion before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70255.

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

RI:ss
Attachment

c: David Jwanisik
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

July 7, 2006

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
Acting Branch Chief, 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
Iraida Well (Well No. 3687-36)

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 August 10, 2006. 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 Ryan Imata of the Commission staff at 587-0255.

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 II, Chapter 20, Rules Relating to Potable Water Systems, §II-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.

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections

Contact Person: ___________________ Phone: ___________________
Signed: ___________________ Date: ___________________
July 7, 2006

TO:       Russell Tsuji, Administrator
          Land Division

FROM:    Dean A. Nakano, Acting Deputy Director
          Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
          Iraida Well (Well No. 3687-36)

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 August 10, 2006. 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 Ryan Imata of the Commission staff at 587-0255.

RESPONSE:

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

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

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ..................................................  Phone: ..........................

Signed: ______________________________________  Date: __________________
TO: Melanie Chinen, Administrator
   Historic Preservation

FROM: Dean A. Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Iraida Well (Well No. 3687-36)

July 7, 2006

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 August 10, 2006. 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 or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255. If you require additional information regarding specific information that can be provided by the applicant, please contact the applicant directly at the contact information provided on the application form.

RESPONSE:

[ ] This is a [ ] public (county or state) project [ ] private project and [ ] will [ ] will not disturb historic sites.

[ ] We concur that the work described under this permit will not disturb historic sites.

[ ] We do not concur that the work described under this permit will not disturb historic sites. We require the following for our concurrence:

Contact Person: ___________________ Phone: ___________________

Signed: ___________________ Date: ______________
Search Results

Oahu Assessed Values reflect tax year 2006. All other Assessed Values reflect tax year 2005.

Search criteria: TMK Taxkey 3-1-5-61-10

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<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
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<th>Last Sale Instr</th>
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
LICENSE SCREEN

[Look up License Type Codes->]

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

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

LIC ID: CT-16653
NAME: FRED PAGE
TRADE NAME: DRILLING INTERNATIONAL INC
STATUS: CURRENT, VALID & IN GOOD STANDING
ENTITY: CORPORATION
ORIG LIC DATE: 4/25/91
CLASS PREFIX: C
RESTRICTION:
BUSINESS ADDR: 15-3105 HALELO PL PAHOA HI 96778
MAILING ADDR: P O BOX 1434 PAHOA HI 96778

Click here to enter search criteria for prior complaints history ->

For prior complaints and disciplinary history, contact licensing and business information center at (808)587-3295.

<-Back New Search->

EMPLOYEES LIST || EMPLOYERS LIST || INSURANCE/BOND || LICENSE CLASS

License information on this site reflects information in the Professional and Vocational Licensing Division as of June 29, 2006; however, applications and forms are subject to standard processing time, and the information here does not reflect pending changes which are being reviewed. The site is updated daily, Monday through Friday, except holidays. The State of Hawaii makes no guarantees as to the accuracy of the information accessed, the timeliness of the delivery of transactions, delivery to the correct party, preservation of the privacy and security of users and makes no warranties, including warranty of merchantability and fitness for a particular purpose. User is advised that if the information obtained herein is to be reasonably relied upon, user should confirm the accuracy of such information with the provider thereof.

Copyright © 2002 Professional and Vocational Licensing Division

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

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<th>Taxkey</th>
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Friday, April 21, 2006
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**TOTAL** $ 50.00

**REMARKS:**
LINE (1) 5616-09 (WCPIIP) Well Modification
LINE (2) Well Name: Iraida TMK: 1-5-061:010
LINE (3)
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
PAY TO THE ORDER OF
DEPT. OF LAND AND NATURAL RESOURCES

TWENTY FIVE

CENTRAL PACIFIC BANK

WELL CONSTRUCTION PERMIT

Date: 4-11-06

$25.00

For:

#001029  1 213015784000  314834
WELL LOCATION INFORMATION

1. STATE WELL NO. (if already assigned) 

2. WELL NAME  

3. ISLAND  

4. TMK  

5. WELL OPERATOR'S NAME/COMPANY  

6. LANDOWNER'S NAME/COMPANY  

7. Proposed Work
- Construct New Well
- Modify Existing Well
- Abandon/Seal Well

8. Construction Type
- Drilled
- Dug
- Shaft
- Tunnel

9. 10. Proposed Work
- Install New Pump
- Replace Pump

11. Proposed Pumping Rate, gpm
- 15 gpm

12. Proposed Amount of Withdrawal, gpd
- 500 gpd (gallons per day)

13. Method of flow measurement
- Flowmeter
- Open Pipe
- Weir
- Orifice
- Other (explain)

14. Proposed Surveyor name and license number (if required for site survey)

15. Municipal (water systems serving greater than 25 individuals or 15 service connections)

16. Domestic (number of units to be served)

17. Industrial (describe)

18. Irrigation (describe crop and no. of acres)

19. Military (describe)

20. Other (describe)

OTHER LEGAL REQUIREMENTS

21. Conservation District Use Permit (CDUP)
- Required, CDP issued by the date approved
- Not Required, attach documentation from CDU

22. Special Management Area Permit (SMAP)
- Required, SMA # issued by the date approved
- Not Required, attach documentation from applicable County agency

23. Historic Preservation Division (HPD) of the Department of Land and Natural Resources
- I have consulted with the HPD regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPD

24. WELL DRILLER
- Fred Page Drilling Int'l
- C-16653

25. PUMP INSTALLER
- Fred Page Drilling Int'l
- C-16653

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 10 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 Branch at 587-6225. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwm.
**PROPOSED WELL SECTION** (Please attach schematic if different from diagram provided below)

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = \( \frac{4}{3} (\text{Water Elevation} - \text{msl}) \)

Total Depth \( = 52 \) 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 or more):  
  - ASTM A409 (production wells)  
  - ASTM A512 (monitor wells)  
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)  
  - Schedule 40  
  - Schedule 80  
  - Schedule 120  
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)  
  - Schedule 40  
  - Schedule 80  
  - Schedule 120  
- Thermoset Plastic: (check one)  
  - Centrifugally 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 AWWA D2997  
  - 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 or more):  
  - ASTM A342 (or A606)  
  - Type E  
  - Type S  
  - Grade B  
  - Other  
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)  
  - Schedule 40  
  - Schedule 80  
  - Schedule 120  
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)  
  - Schedule 40  
  - Schedule 80  
  - Schedule 120  
- Thermoset Plastic: (check one)  
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  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517  
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950  
  - PTFE Fluorocarbon Tubing conforming to AWWA D2997  
  - FEP Fluorocarbon Tubing conforming to ASTM D3296  

* 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 water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = \( \frac{4}{3} (\text{Water Elevation} - \text{msl}) \)

Example: Estimated + 2 ft. Water Level Elev. \( \rightarrow \) Bottom Elevation of Well Limit = \( \frac{4}{3} (\text{Water Elevation} - \text{msl}) = -18.5 \) ft.

**HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS**

to ensure that your as-built is in compliance with applicable standards.

**Solid Casing:**

- Carbon Steel: Solid  
- Stainless Steel: ABS  
- Thermoset Plastic: (check one)

**Open Casing:**

- Material:  
  - Crushed Basalt  
  - Rounded Gravel  
  - 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 AWWA D2997  
  - FEP Fluorocarbon Tubing conforming to ASTM D3296  

**Rock or Gravel Packing:**

- Material:  
  - Crushed Basalt  
  - Rounded Gravel  
  - 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 AWWA D2997  
  - FEP Fluorocarbon Tubing conforming to ASTM D3296  

**Cement Grout:**

- (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

**Estimated Water Level Elevation:**

- \( = 42 \) ft. msl*