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 Kiko Well 1 (Well No. 5206-03), Hawaii, TMK 2-8-013: 010, subject to the Hawaii Well Construction & Pump Installation Standards (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. The pump installation permit shall be for installation of a 15 gpm rated capacity or less, pump in the well.

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

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

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

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

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

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

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

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

Date of Approval: January 19, 2005
Expiration Date: January 19, 2007
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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5000 per day starting from the permit date of approval.

Permittee's Signature: [Signature]
Printed Name: Carlos A. Parisi
Firm or Title: OWNER

Installer's Signature: [Signature]
Printed Name: Rodney Couch
Firm or Title: Wohn

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

WCR 1 Check for Well No. 5206-03 (survey to regulation memo)

1. **Pump Tests Check**
   Glenn Bauer (initial)
   ![Signature]
   - Step-Drawdown Test:
     - Complies w/HWCPI Stds
     - analysis attached
     - proposed pump cap o.k.
     ![Yes][No]
   - Aquifer Pump Test:
     - Complies w/HWCPI Stds
     - T & S analysis attached
     ![Yes][No]
   - Well Interference:
     - Steady-State drawdown at 1-mile radius is ___ ft.
     - analysis attached
     ![Yes][No]
   - Stream Surface Water Impacted:
     ![Yes][No]
   - Geology Code for Well Index: __________

2. **Construction Check**
   Mitch Ohye (initial)
   ![Signature]
   - elevations checked
   - well database updated
   ![Yes][No]
   - GPS Location
     - NAD27
       - 19 52 22.77
       - 105 06 33.46
     - NAD83
       - 19 52 22
       - 105 06 22

3. Charley/Lenore/Ryan (initial) take action based on above analysis
   ![Yes][No]
   - WCR1 fully complete (latest form)
   - WCR Special Cond. followed

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
- COVER LETTER
- PIP PERMIT (2x)
- DOH COMMENTS
- LAND DIV. COMMENTS
- DHP COMMENTS
- WCR 2 FORM
- WUR FORM

4. Roy (initial) check
5. Subia (initial) finalize w/electronic signature
6. Charley/Lenore/Ryan file
Dear Ryan,

Enclosed you'll find the signed Well Completion Report Part 1 for the Kiko 1 Well (5206-03).

We would like to request a permit for installation for Mr. Parisi's permanent pump. Mr. Parisi plans to install a 25 g.p.m. (max)pump for private individual needs.

We look forward to receiving the permit to continue construction on Mr. Parisi Well.

Thank You,

Rodney Couch
February 4, 2005

Mr. Carlos Parisi
P.O. Box 404
Honomu, HI 96728

Dear Mr. Parisi:

Pump Installation Permit
Kiko Well 1 (Well No. 5206-03)

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. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.
Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete as of January 19, 2005.

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: Rodney Couch
PUMP INSTALLATION PERMIT
Kiko Well 1, Well No. 5206-03

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 pump installation for Kiko Well 1 (Well No. 5206-03), Hawaii, TMK 2-B-013: 010, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

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9. If work is not started within six (6) months after approval or suspended or abandoned, the permittee, well operator, and/or well owner must apply for a new abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

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

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

Date of Approval: January 19, 2005
Expiration Date: January 19, 2007

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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5000 per day starting from the permit date of approval.

Permittee's Signature: _______________________________ Date: ________________

Printed Name: _______________________________ Firm or Title: ________________________________

Installer's Signature: _______________________________ C-57, C-57a, or A License #: ________________ Date: ________________

Printed Name: _______________________________ Firm or Title: ________________________________

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

Attachments

USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Rodney Couch
1. State Well No.: 5206-03
   Well Name: Kimo Well 1
   Island: Hawaii
2. Address: P.O. Box 404 Honomu, HI
   Tax Map Key: (3) 2-8-13:10
3. Drilling Company: Couch Well Drilling
4. Drilling method used during construction: ☐ Rotary ☒ Percussion ☐ Other (describe)
5. Date Well Construction (drilled,cased,grouted) completed: 12/15/04
   Fill out attached Driller's Log
   In addition to the driller's log, if a geologic log was prepared, please submit with this form.
6. Was the subject well cored? ☐ Yes ☒ No
7. Initial water-level encountered 100 ft. below ground
   Date and time of measurement: 12/5/04 10am
7. Initial water-level encountered 100 ft. below ground
   Date and time of measurement: 12/5/04 10am
8. Step-Drawdown Test completed? N/A ☐ Yes ☐ No
   Attach Step-Drawdown Test form (12/17/97 SDPTD Form)
9. Constant Rate Aquifer Test completed? N/A ☐ Yes ☐ No
   Attach Constant Rate Aquifer Test form (12/17/97 CRPTD Form)
   Parameters prior to pump test: N/A
10. Water-level: N/A ft. above msl
    Date and time of measurement: ________________
    Date and time of measurement: ________________
11. Chloride: N/A ppm
    Date and time of sampling: ________________
    Date and time of measurement: ________________
12. Temperature: N/A °F
    Date and time of measurement: ________________
    Date and time of measurement: ________________
13. Fill in the as-built section on the other side of this sheet.
14. Fill in attached surveyor's report. N/A
15. If a pump is not planned to be installed, please describe (below in the remarks section) how well is secured to prevent unauthorized access (example: lockable cover, threaded coupling, etc.)
16. The proposed manufacturer's rated pump capacity is 30 gpm at a head of 120 ft.
   (Attach pump specifications and rating curve)
17. Remarks: ____________________________

Licensed Driller (print) Rodney Couch C-57 Lic. No. C-23094
Signature

Permittee (print) Carlos Parisi
Signature

Date 1-5-05

Date 1-5-05
13. AS-BUILT WELL SECTION

(Please attach as-built if different from diagram provided below)

Minimum of 2' Radius & 4" Thick Concrete Pad

Hole Diameter: 12 in.

Bench mark elevation:
100 ± ft., msl*
(Survey to nearest 0.01 ft.)

Cement Grout: 95 ft.
(min. 70% 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:
15 ft.
Material:
- Crushed Basalt
- Rounded Gravel

Water Level Elevation:
100 ft., msl*

Total Depth: 110 ft.

Solid Casing:
- (≥ 90% x (Ground Elev.-Water Level Elev.))
  Length: 100 ft.
  Nominal Diameter: 6 in.
  Wall Thickness: 0.375 in.
  Bottom Elevation: -100 ft., msl

Open Casing:
- □ Perforated
- □ Screen

Length: 10 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.375 in.
Bottom Elevation: -110 ft., msl

Open Hole:
Length: N/A ft.
Diameter: N/A in.
Bottom Elevation: N/A ft., msl

*msl = mean sea level

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120

Thermoset Plastic: (check one)
- □ Filament Wound Resin Pipe conforming to ASTM D2996
- □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
- □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
- □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
- □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
- □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
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- □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
- □ FEP Fluorocarbon Tubing conforming to ASTM D3296

HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS

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

Solid Casing: (≥ 90% x (Ground Elev.-Water Level Elev.))
Length: 100 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.375 in.
Bottom Elevation: -100 ft., msl

Open Casing: □ Perforated □ Screen
Length: 10 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.375 in.
Bottom Elevation: -110 ft., msl

Open Hole:
Length: N/A ft.
Diameter: N/A in.
Bottom Elevation: N/A ft., msl

Ground Elevation: 102 ft., msl
(To nearest 0.01 ft.)

Minimum of 2' Radius & 4" Thick Concrete Pad

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 Elev.-Water Level Elev.))
Length: 100 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.375 in.
Bottom Elevation: -100 ft., msl

Open Casing: □ Perforated □ Screen
Length: 10 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.375 in.
Bottom Elevation: -110 ft., msl

Open Hole:
Length: N/A ft.
Diameter: N/A in.
Bottom Elevation: N/A ft., msl

*msl = mean sea level

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  □ Filament Wound Resin Pipe conforming to ASTM D2996
  □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
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  □ Filament Wound Resin Pipe conforming to ASTM D2996
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  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

WCR1 Form 11/12/02 Page 2 of 4
**DRILLER'S LOG**

**WELL NUMBER:** 5206-03

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
</tr>
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<tbody>
<tr>
<td>0 to 10</td>
<td>Red Clay</td>
<td></td>
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<tr>
<td>10 to 20</td>
<td>Red Clay</td>
<td></td>
</tr>
<tr>
<td>20 to 30</td>
<td>Broken Layers of Black Rock</td>
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<tr>
<td>30 to 40</td>
<td>Red Clay</td>
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<tr>
<td>40 to 50</td>
<td>Red Clay</td>
<td></td>
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<tr>
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<td>Soft Black Cinder and Mixed Cinder and Red Clay</td>
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<td>70 to 80</td>
<td>Mixed Cinder and Red Clay</td>
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<tr>
<td>80 to 90</td>
<td>Blue Rock</td>
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<tr>
<td>90 to 100</td>
<td>Soft Black Rock</td>
<td></td>
</tr>
<tr>
<td>100 to 110</td>
<td>Red Cinder</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
## Well Check Program
4/1/04 - Revised for update to Well Standards (February 2004)

### Data Input

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<tr>
<th>Well Number</th>
<th>5206-03</th>
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<tbody>
<tr>
<td>Well Name</td>
<td>Kiko Well</td>
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<td>Ground Elevation</td>
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<tr>
<td>Cement Grout</td>
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<td>Grouting Method</td>
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<td>Hole Diameter</td>
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<td>Estimated Head</td>
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<td>Public Water Supply Well?</td>
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<td>Solid Casing Specification</td>
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<tr>
<td>Solid Casing Length</td>
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<tr>
<td>Solid Casing Diameter</td>
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<tr>
<td>Solid Casing Wall Thickness</td>
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</tr>
<tr>
<td>Open Casing Length</td>
<td>10</td>
</tr>
</tbody>
</table>

### Results

#### Well Depth

| Theoretical Thickness of Aquifer | 4100 |
| 1/4 Aquifer Thickness | 1025 |
| Depth of Well below Sea Level | -10 okay | Section 2.2 |

#### Well Casing

<table>
<thead>
<tr>
<th>Minimum Wall Thickness</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
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<tr>
<td>Wall Thickness Provided</td>
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<tr>
<td>Minimum Length of Solid Casing</td>
</tr>
<tr>
<td>90% of ground to top of aquifer</td>
</tr>
<tr>
<td>Length of solid casing Provided</td>
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<tr>
<td>Casing Material</td>
</tr>
<tr>
<td>(for pvc only - check for 200' limit)</td>
</tr>
</tbody>
</table>

#### Annular Space

<table>
<thead>
<tr>
<th>Depth of Grouting</th>
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<tbody>
<tr>
<td>Calculated Depth of Grouting</td>
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<tr>
<td>Depth of Grouting provided</td>
</tr>
<tr>
<td>Minimum Annular Space required</td>
</tr>
<tr>
<td>Thickness of Annular Space</td>
</tr>
</tbody>
</table>
Mr Carlos Parisi  
P.O. Box 404  
Honomu HI 96728-0404

Mr Gilbert S. Coloma-Agaran, Chairperson  
Department of Land and Natural Resources  
Commission on Water Resources  
P.O. Box 621  
Honolulu HI 96809

RE: KIKO 1 WELL, WELL NO

Dear Mr Coloma-Agaran;

This is a request to install the permanent pump prior to final pump installation permit issuance in accordance with the Comission’s April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5.

Sincerely,

[Signature]

Mr. Carlos Parisi
September 12, 2003

Mr Ryan Imata  
Department of Land and Natural Resources  
Commission on Water Resource Management  
P.O. Box 621  
Honolulu HI 96809

RE: KIKO 1 WELL , WELL No:5206-03

Dear Ryan;  
Enclosed please find letter regarding the ruling on pump installation for the above referenced well permit.

As Fred explained to you this letter should have been submitted with your copy of the Well Construction Permit but it was overlooked.

Construction of the well has not commenced so I hope you can accept the written request at this date.

Please call me if you have any questions.

Thank You.

Beryl Page

Beryl Page
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE

FROM: RYAN
DATE: 7/23/03
SUSPENSE DATE: ____________________________

TO:

ANAKALEA, P. ____________________________
BAUER, G. ____________________________
CHING, F. ____________________________
DANBARA, S. ____________________________
FUJII, N. ____________________________
GOODING, K. ____________________________
HARDY, R. ____________________________
HIGA, D. ____________________________
ICE, C. ____________________________
IMATA, R. ____________________________
KUNIMURA, I. ____________________________

INIT.

LAU, E. ____________________________
MATHIAS, T. ____________________________
NAKAMA, L. ____________________________
NAKANO, D. ____________________________
OHYE, M. ____________________________
SAKODA, E. ____________________________
SUBIA, S. ____________________________
SWANSON, S. ____________________________
UYENO, D. ____________________________
YODA, K. ____________________________
YOSHINAGA, M. ____________________________

FOR:

3 Approval ____________________________
3 Signature ____________________________
4 Information ____________________________

PLEASE:

See Me ____________________________
1 Review & Comment ____________________________
Take Action ____________________________
Type Draft ____________________________
2 Type Final ____________________________
5 File ____________________________
Xerox ______ copies ____________________________

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:

1 COVER LETTER ____________________________
2 PERMIT (2x) ____________________________
COMMENTS: ____________________________
3 SDWB ____________________________
4 WWB ____________________________
5 CWB ____________________________
6 HEER ____________________________
7 LD ____________________________
8 HP ____________________________
9 PUMP TEST ____________________________
10 WCR I FORM ____________________________
11 WELL CHECK PRINTOUT ____________________________

TO BE SENT TO APPLICANT ____________________________

FOR OFFICE USE ONLY ____________________________

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:

1 COVER LETTER ____________________________
2 PERMIT (2x) ____________________________
COMMENTS: ____________________________
3 SDWB ____________________________
4 WWB ____________________________
5 CWB ____________________________
6 HEER ____________________________
7 LD ____________________________
8 HP ____________________________
9 WCR II FORM ____________________________
10 WUR FORM ____________________________
11 GLENN'S WORKSHEET ____________________________

TO BE SENT TO APPLICANT ____________________________

FOR OFFICE USE ONLY ____________________________

WELL NUMBER 5206-03 ____________________________
WELL NAME Kiko Well ____________________________

☐ WELL CONSTRUCTION ____________________________

☐ PUMP INSTALLATION ____________________________

PLEASE: ____________________________

See Me ____________________________
1 Review & Comment ____________________________
Take Action ____________________________
Type Draft ____________________________
2 Type Final ____________________________
5 File ____________________________
Xerox ______ copies ____________________________

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:

1 COVER LETTER ____________________________
2 PERMIT (2x) ____________________________
COMMENTS: ____________________________
3 SDWB ____________________________
4 WWB ____________________________
5 CWB ____________________________
6 HEER ____________________________
7 LD ____________________________
8 HP ____________________________
9 PUMP TEST ____________________________
10 WCR I FORM ____________________________
11 WELL CHECK PRINTOUT ____________________________

TO BE SENT TO APPLICANT ____________________________

FOR OFFICE USE ONLY ____________________________

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:

1 COVER LETTER ____________________________
2 PERMIT (2x) ____________________________
COMMENTS: ____________________________
3 SDWB ____________________________
4 WWB ____________________________
5 CWB ____________________________
6 HEER ____________________________
7 LD ____________________________
8 HP ____________________________
9 WCR II FORM ____________________________
10 WUR FORM ____________________________
11 GLENN'S WORKSHEET ____________________________

TO BE SENT TO APPLICANT ____________________________

FOR OFFICE USE ONLY ____________________________
July 31, 2003

Ref: 5206-03.wcp

Mr. Carlos Parisi
P.O. Box 404
Honomu, HI 96728-0404

Dear Mr. Parisi:

Well Construction Permit
Kiko 1 Well (Well No. 5206-03)

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.

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 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

Enclosures

c: Fred Page
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 Kiko 1 Well (Well No. 5206-03) at 28-3464 Hawaii Belt Road, Hawaii, TMK 2-8-013: 010, 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 1 1/4-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 basalt ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basalt 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: July 21, 2003
Expiration Date: July 21, 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

USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Hawaii Department of Water Supply
Fred Page
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 Kiko 1 Well (Well No. 5206-03) at 28-3464 Hawaii Belt Road, Hawaii, TMK 2-8-013: 010, 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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2. The well construction permit shall be for construction and testing of the well only. A minimum 11/4-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.

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   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
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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.

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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: 8-12-03
Printed Name: CARLOS A. PARISI Firm or Title: OWNER
Driller's Signature: ___________________________ Date: 8/12/03
Printed Name: FRED PAGE C-57 License #: 16653 Firm or Title: PRESIDENT

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

03 AUC 18 410: 54

RECEIVED
### SECTION 1: WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>Island</th>
<th>#N/A</th>
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<tbody>
<tr>
<td>Aquifer System</td>
<td>#####</td>
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<tr>
<td>Aquifer Sector</td>
<td>#####</td>
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<tr>
<th>Proposed Use</th>
<th>#VALUE!</th>
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</thead>
<tbody>
<tr>
<td>Proposed Withdrawal</td>
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<tr>
<td>System Sustainable Yield</td>
<td>#VALUE!</td>
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</tbody>
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### SECTION 2: WELL SECTION DATA (enter data in grey cells only)

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>151 ft., m.s.l.</th>
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</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>150 ft., m.s.l.</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>135 ft.</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>12 ft.</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>12 in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>150 ft.</td>
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<tr>
<td>Estimated Head</td>
<td>138 ft., m.s.l.</td>
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<tr>
<td>Calculated Aquifer Thickness</td>
<td>5658 ft.</td>
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<tr>
<td>County Water Supply (Y/N ?)</td>
<td>NO</td>
</tr>
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<table>
<thead>
<tr>
<th>Solid Casing</th>
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</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>
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<th>Casing</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
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<tr>
<td>Diameter</td>
</tr>
<tr>
<td>Wall Thickness</td>
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<tr>
<td>Openings</td>
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</table>

<table>
<thead>
<tr>
<th>Open Hole</th>
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</thead>
<tbody>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Diameter</td>
</tr>
</tbody>
</table>

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

<table>
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<tr>
<th>Well Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Thickness of Aquifer</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
</tr>
<tr>
<td>Depth of Well below Sea Level</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Wall Thickness Material</td>
</tr>
<tr>
<td>County or Non-County</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
</tr>
<tr>
<td>Wall Thickness Provided</td>
</tr>
<tr>
<td>Minimum Length of Solid Casing 90% of ground to top of aquifer</td>
</tr>
<tr>
<td>Length of solid casing Provided</td>
</tr>
<tr>
<td>Casing Material</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annular Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculated Depth of Grouting</td>
</tr>
<tr>
<td>Depth of Grouting provided</td>
</tr>
<tr>
<td>Thickness of Annular Space</td>
</tr>
</tbody>
</table>

- Okay (refer to HWCPIS Section 2.2) (disregard if the well is not basal, deep monitor or salt water)
- Okay (refer to HWCPIS Section 2.4 c) (disregard this if this is a non-county well)
- Okay (refer to HWCPIS Section 2.4 d) (If the cell above reads #N/A, reference HWCPIS)
- Okay (refer to HWCPIS Section 2.6 c)
STATE MESSENGER DELIVERY

Date: **JULY 18, 2003**

To: Commission on Water Resource Management
Department of Land & Natural Resources
State of Hawaii

Attn: *Ryan Imata*

From: Lori Kajiwara
Planning & Design Section
Ph 586-4290 direct line
Fax 586-4300
Email: Lkajiwara@eha.health.state.hi.us

Subject: Well Construction/Pump Installation Permit/Water Use Permit for

Well No. **5206-03**

Please find enclosed the application of the above subject project.
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  
Kiko 1 Well (Well No. 5206-03)

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 July 18, 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 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 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: Loni N. Kajiwan Phone: 586-4294

Signed: Loni N. Kajiwan Date: 7-18-2003
July 2, 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
         Kiko 1 Well (Well No. 5206-03)

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RESPONSE:

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[ ] An NPDES permit is required.

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

[ ] No comments/objections

Contact Person: Bill Wong
Phone: 586-4258

Signed: Bill Wong
Date: Jul 16 2003
July 2, 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

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Kiko 1 Well (Well No. 5206-03)

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RI:ss
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 26 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, §11-25-08.

This well does not qualify as a source serving a public water system (serves less than 26 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 installing 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 preventer devices by physical 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: Alex Wong Phone: 587-4309
Signed: Alex Wong Date: 7/12/03

03c514
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
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
         Kiko 1 Well (Well No. 5206-03)

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 July 18, 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 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 90 days per year or one 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 23, Rules Relating to Potable Water Systems, §11-20-09.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or one or more 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 supplies 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 We defer to wastewater and drinking water concerns.

Contact Person: Dr. Keith Kawaoka
Phone: 586-4249

Signed: __________ Date: __________

Fax to: Commission on Water Resources Management: 587-0219
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  
Kiko 1 Well (Well No. 5206-03)  

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 July 18, 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 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. ________________________

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

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

[ ] No objections

[ ] Other comments: Original source of private title is Grant 869 issued prior to statehood in 1959.

Contact Person: Gary Martin  
Phone: 587-0431

Signed: Gary Martin  
Date: JUL 14 2003
July 2, 2003

Mr. Carlos Parisi
P.O. Box 404
Honomu, HI 96728-0404

Dear Mr. Parisi:

Well Construction/Pump Installation Permit Application for Well No. 5206-03

We acknowledge receipt on June 5, 2003 of your completed Well Construction/Pump Installation permit application and filing fee for the Kiko 1 Well (Well No. 5206-03). 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 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]
ERNEST Y.W. LAU
Deputy Director

Rl:ss

c: Fred Page Drilling
July 2, 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
Kiko 1 Well (Well No. 5206-03)

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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 July 18, 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.

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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.

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[ ] 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: ____________________________
July 2, 2003

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
          Kiko 1 Well (Well No. 5206-03)

Transmitted for your review and comment is a copy of the captioned Well
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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 July 18, 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 Ryan Imata of the Commission staff at 587-0255.

RI: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: __________
July 2, 2003

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
         Kiko 1 Well (Well No. 5206-03)

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
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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:

[ ] 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: ______________
LICENSE SCREEN

[ Look up License Type Codes-> ]
Please click a link listed below to display the other screen.

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

LIC ID: CT-16653  Active/Inactive: ACTIVE
NAME: FRED PAGE DRILLING INTERNATIONAL INC
TRADE NAME:
STATUS: CURRENT, VALID & IN GOOD STANDING
ENTITY: CORPORATION  BUSINESS CODE:
ORIG LIC DATE: 4/25/91  EXPIRE DATE: 9/30/04
CLASS PREFIX: C  SPECIAL PRIVILEGE:
RESTRICTION:  EDUCATION CODE:
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->

License information on this site reflects information in the Professional and Vocational Licensing Division as of June 24, 2003; 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.

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Hawaii State homepage || DCCA || Professional and Vocational Licensing Division
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<th>Tnr</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.
**COMMISSION ON WATER RESOURCE MANAGEMENT**
**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** RYAN  
**DATE:** 12-Jun-03  
**SUSPENSE DATE:**

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<td>NAKAMA, L.</td>
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<td>NAKANO, D.</td>
<td>NISHIOKA, L.</td>
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<td>SAKODA, E.</td>
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<td>Review &amp; Comment</td>
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<td>KUNIMURA, I.</td>
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**WELL NUMBER:** 5206-03  
**WELL NAME:** Kiko 1

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

**ATTACHMENTS FOR APPLICATION PROCESSING** - Both applicant & staff generated

- [X] TRANS. LETTER
- [ ] CWRM MAP
- [X] APPL. FORM (3X)
- [X] USGS MAPS (3X)
- [X] TAX MAPS (3X)
- [X] PARCEL OWNER VERIF.
- [X] CONTRACTOR VERIF.
- [X] ALL INFO FILLED IN
- [X] BACKGROUND CHECK

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

**INCOMPLETE ACTION DATES:**

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**NOTE:** The document contains a handwritten note that appears to be a signature or initials, but it is not legible.
Application for Permit

**State of Hawaii**

COMMISSION ON WATER RESOURCE MANAGEMENT

Department of Land and Natural Resources

APPLICATION FOR PERMIT

1. **WELL OWNER**
   - Contact Person: Carlos A. Parisi
   - Phone: 808-557-954
   - Fax: 
   - E-mail: 

2. **LAND OWNER**
   - Contact Person: Carlos A. Parisi
   - Phone: 808-557-954
   - Fax: 
   - E-mail: 

3. **CONTRACTOR**
   - Fred Page Drilling Inc
   - Phone: (808) 965-5339
   - Fax: (808) 1965-5339
   - Lic #: C-15653

4. **WELL NAME**
   - Kiko's Well II
   - Island: Hawaii
   - Address: 27-1890 Niihau Belt Rd
   - Tax Map Key: 2.8.013.010

5. **PROPOSED WORK**
   - Check all that apply:
     - [X] Construct New Well
     - [ ] Modify Existing Well
     - [ ] Abandon/Seal
     - [ ] Install New Pump
     - [ ] Modify Pump

6. **CONSTRUCTION**
   - [X] Drilled
   - [X] Dug
   - [ ] Shaft
   - [ ] Tunnel

7. **PROPOSED PUMPING RATE**
   - Gallons per minute: 15

8. **PROPOSED USE**
   - Check all that apply:
     - [ ] Municipal (including hotels, stores, etc.)
     - [ ] Industrial
     - [ ] Domestic (individual, noncommercial water system)
     - [ ] Irrigation (crop)
     - [ ] Military
     - [ ] Other (explain): No. of Acres: 

9. **PROPOSED AMOUNT OF WITHDRAWAL**
   - Gallons per day: 500

10. **METHOD OF FLOW MEASUREMENT**
    - Flowmeter
    - Open Pipe
    - Weir
    - Orifice
    - Other (explain):

**LEGAL REQUIREMENTS**

- Environmental Impact Statement (EIS) or Environmental Assessment (EA) to determine if an EIS or EA is necessary, call OEQC at 586-4185
- Special Management Area Permit (SMA) to determine if a SMA is necessary, call DLNR at 527-5374; on Oahu, call 961-8288; for Maui county, call 270-7235; on Kauai, call 241-6677

**REMARKS, EXPLANATIONS**

- Letter attached to State Land Use & they sent a map of the boundaries on this property (see attached)

**NOTE**

- Signing below indicates the signatories understand and swear that the information provided on this application is accurate and true to the best of their knowledge.

**Well Owner**

- Signature: ____________________________
- Date: 6/03/03

**Landowner**

- Signature: ____________________________
- Date: 6/03/03

**Contractor**

- Signature: ____________________________
- Date: 6/03/03

For official use only

- Aquifer System No: 
- State Well No: 
- Latitude: 
- Longitude: 

**For Official Use Only:**

- RECEIVED: 
- JUN 5  10:52
10. PROPOSED WELL SECTION
(please attach schematic if different from diagram provided below)

Elevation at top of casing: 15.1 ft, msl*

Hole Diameter: 12 in.

Minimum of 2' radius & 4" thick concrete pad (to contain berm.
consulted to be nearest 0.01 ft.)

Ground Elevation: 150 ft, msl*

- Cement Grout: 135 ft
  (min. 70% 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:
  - 12 ft
  - Material:
    - X Crushed Basalt
    - O Rounded Gravel

- Estimated Water Level Elevation:
  - 138 ft, msl*

- Total Depth:
  - 150 ft.

- 2.9% x (Ground Elev. - Water Level Elev.)

- 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 Elev. - Water Level Elev))
- Total Length: 138 ft
- Nominal Diameter: 6 in.
- Wall Thickness: 250 in.
- Bottom Elevation: 138 ft, msl*

Open Casing:
- X Perforated
- O Screen
- Total Length: 10 ft
- Nominal Diameter: 6 in.
- Wall Thickness: 250 in.
- Bottom Elevation: 150 ft, msl*

Open Hole:
- Length: _______ ft
- Diameter: _______ in
- Bottom Elevation: _______ ft, msl*

* The approximate elevation must be referenced to mean sea level (msl)
at the time of application filing. Final elevations of well components
shall be submitted in the Well Completion/Well Abandonment 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 = \left(\frac{\text{Water Elevation}}{4} \times \frac{\text{Water Level Elevation}}{4}\right)

Example: Estimated + 2 ft. Water Level Elev. \rightarrow Bottom Elevation of Well Limit = \left(\frac{2 + 1}{4}\right) = -18.5 ft

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/WWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139

- And compliant with (check one or more):
  - ASTM A242
  - Type E
  - Type S
  - Grade B
  - Other

- Stainless Steel: (check one):
  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)
  - Schedule 40
  - Schedule 80

- 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)
- Filament Wound Resin Pipe conforming to ASTM D2996
- Centrally 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/WWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139

- And compliant with (check one or more):
  - ASTM A242
  - Type E
  - Type S
  - Grade B
  - Other

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  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)
  - Schedule 40
  - Schedule 80

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  - 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)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrally 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

Note: Neither bentonite nor mud should be used in saturated zones during drilling.
NOTE:
1. All Lot corner 1/2" PIPES were found and flagged, except two (See Map).
2. Found 1/2" corner pipes were buried under soil and were not made visible by the OWNERS.
3. ZONING:
   a. County of Hawaii: Agriculture A-20a
   b. State of Hawaii: (UUC) conservation & Agriculture
4. FLOOD ZONE: ZONE X
   DESIGNATION (No FIRM Plans Available)

LOT 2-B
Portion of Grant 8&G to Palau and Kamanaonui
Malamalamaiki, Homonu, South Hilo, Hawaii
Survey and Plan by Murray, Smith & Associates, Ltd. —
P.O. Box 883
Hilo, Hawaii

DENotes: No Vehicle Access Permitted.

NOTE: Use of "Access Permitted" along southerly boundary is for Agricultural Purposes.
April 7, 2003

Department of Land & Natural Resources  
Land Division Planning Department  
P.O. Box 621  
Honolulu HI 96809

Re: Property located at Honomu, Big Island TMK 2 8 13 10 2-B

Dear Sir / Madam;  
We are representing Mr Carlos Parisi owner of the above property.

He has asked us to help with the completion of an Application for Permit for the construction of a domestic water well to be drilled on the agriculture section of his property.

Due to the fact it is oceanfront property we are asking your department if he will require a Conservation District Use Permit if the proposed well construction is on agriculture land. I believe it was used as a sugar cane field many years ago.

I have enclosed a TMK map of his property for your convenience.

All correspondence will be received at the above address.

Thank you.

Sincerely,
FRED PAGE DRILLING INTERNATIONAL INC.

Beryl Page