April 2, 2002

Mr. Ernest Y.W. Lau
Manager and Chief Engineer
County of Kauai
Department of Water
P.O. Box 1706
Lihue, HI 96766

Dear Mr. Lau:

Well Completion Report for Well No. 5824-10

We received your Well Abandonment Report for Well No. 5824-10 on January 7, 2002 and acknowledge that it is complete on March 20, 2002. We also received a validated copy of the permit, signed on February 13, 2002, to do the sealing work on. In the future, please validate and return a copy of the permit prior to the start of any work authorized by the permit.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

LN:ss
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL
Well No. 5824-10

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 abandonment/sealing of Well No. 5824-10 at Pului 510 Reservoir Site, Kauai TMK 3-4-05:10, 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, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.

2. 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.

3. The owner or operator of any well which has been determined by the department or voluntarily declared by the owner or operator to be abandoned as defined in §13-168-2, after written notification, shall be required, at owner's or operator's expense, to re-case, cement, plug back, cap, or otherwise repair the well or fill and seal the well with cement in a manner approved by the commission.

4. 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.

5. The Well Abandonment Report form (attached) shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work.

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

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

Date of Approval: February 7, 2000
Expiration Date: When well is sealed in a manner acceptable to the Commission

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management

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

Permittee's Signature: Edward Tschupp
Printed Name: Ernest Y.W. Lau
Contractor's Signature: Glen R. Davis

Printed Name: GLEN R. DAVIS
Firm or Title: BEYLIK DRILLING, INC.
License #: AC-21896 
Date: 2-6-02

Attachment c: USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
WELL ABANDONMENT REPORT

Instructions: Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 5824-10 Well Name Unknown
2. Location/Address Puhi
3. Contractor Beylik Drilling, Inc.
4. Contractor's C-57 License No. AC-21896
5. Name of driller who performed work Steve Mullins
6. Type of Rig/Construction
7. Date of well sealing completion 12/13/01
   (NOTE: Report must be submitted within 30 days after this completion date)

Finished Grade Elevation

Casing Diameter 4 ft.

Check Material Used
Grout Seal: 1) Cement 2) Sand/Cement Ratio 1/1

Total Measured Depth 64 ft.

Measured Depth of Blank Casing 64 ft.

Measured Depth of Perforated Casing 0 ft.

Measured Depth of Open Hole 0 ft.

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

For Driller's Use:
Job Name ____________________________
Job No. _____________________________

For Official Use:
Well No. 5824-10
Latitude ____________________________
Longitude ____________________________

Contractor (print) Beylik Drilling, Inc.
Title Operations Manager
Signature ____________________________
Date 12-20-01
Mr. Ernest Y.W. Lau  
Manager and Chief Engineer  
County of Kauai  
Department of Water  
P.O. Box 1706  
Lihue, Hawaii 96766  

Dear Mr. Lau:  

Well Construction Permit to Abandon/Seal  
Well No. 5824-10  

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) which authorizes well abandonment/sealing activities. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 7:  

**Special Conditions**  

1. (NONE)  

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

**IMPORTANT** - The well owner is responsible for all conditions of the permit. This includes ensuring that the your licensed contractor, submits a completed Well Abandonment 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.  

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

Aloha,  

[Signature]  
TIMOTHY E. JOHNS  
Chairperson  

Enclosures
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL
Well No. 5824-10

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 abandonment/sealing of Well No. 5824-10 at Puhi 510 Reservoir Site, Kauai TMK 3-4-05:10, 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, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.

2. 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.

3. The owner or operator of any well which has been determined by the department or voluntarily declared by the owner or operator to be abandoned as defined in §13-168-2, after written notification, shall be required, at owner's or operator's expense, to re-case, cement, plug back, cap, or otherwise repair the well or fill and seal the well with cement in a manner approved by the commission.

4. 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.

5. The Well Abandonment Report form (attached) shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work.

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

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

Date of Approval: February 7, 2000
Expiration Date: When well is sealed in a manner acceptable to the Commission

TIMOTHY E. JOHNS, Chairperson
Commission on Water Resource Management

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

Permittee’s Signature: ________________________ Date: ________________
Printed Name: _______________________________ Firm or Title: ________________
Contractor’s Signature: ______________________ License #: ________________ Date: ________________
Printed Name: _______________________________ Firm or Title: ________________

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

Attachment:
C: USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Mr. Ernest Y.W. Lau
Manager and Chief Engineer
County of Kauai
Department of Water
P.O. Box 1706
Lihue, HI 96766

Dear Mr. Lau:

Pump Installation Permit Application for Well No. 5824-08
Well Construction Permit Application to Abandon/Seal Well No. 5824-10

We acknowledge receipt, on December 15, 1999, of your completed applications for a pump installation permit for Puhi Well 5A (Well No. 5824-08) and a well construction permit to abandon/seal Well No. 5824-10. You can expect your applications to be processed within ninety (90) days from this date. We are returning your purchase order in the amount of $50.00; government agencies are exempt from the application filing fee.

We have also received your request to extend the pump installation permit for Puhi Well 5B (Well No. 5824-09) for another two (2) years. By this letter, your request is approved. The new expiration date is January 28, 2002.

Lastly, thank you for notifying us of your intent to modify the existing deepwell pump in Puhi Well No. 1 (Well No. 5824-01). A permit to modify the existing pump controls is not required if the pump capacity remains the same. However, please submit a Well Completion Report – Part II within thirty (30) days after completion of the work. We have attached the appropriate form for your use.

If you have any questions about your permit application, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

LN:ss
Enclosures
December 8, 1999

Ms. Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management  
State Department of Land and Natural Resources  
P.O. Box 621  
Honolulu, Hawaii 96809

Ms. Nishioka:

Subject: Application for Permits  
Department of Water, County of Kauai  Job No. 93-5  
Pumps and Controls for Puhi Well No. 5A and Puhi Well No. 5B  
and Modifications to Puhi Well No. 1

Subject project entails the following work on existing wells:

- Puhi Well No. 5A (Well No. 5824-08): install deepwell turbine pump
- Puhi Well No. 5B (Well No. 5824-09): install deepwell turbine pump
- Well No. 5824-10: abandon/seal existing well
- Puhi Well No. 1 (Well No. 5824-01): modify existing deepwell pump; same pumping rate will be maintained at a lower head by reducing number of pump stages

Please note that Well No. 5824-10 was recently assigned its number upon discovery that there was no existing information on file.

Transmitted herewith are the following needed to process the proposed work:

- Pump Installation Permit Application for Puhi Well No. 5A (Well No. 5824-08) with attachments (1 original, 3 copies)
- Abandon/Seal Permit Application for Well No. 5824-10 with attachments (1 original, 3 copies)
- Letter from DOW dated 11/22/99 requesting for an extension of time on existing Pump Installation Permit issued for Puhi Well No. 5B (Well No. 5824-09)
- DOW Purchase Order No. 13249 for the amount of $50 for pump installation and abandon/seal permits

As noted in your response letter dated 5/10/99 to the Draft EA, a permit to modify the existing pump controls for Puhi Well No. 1 (Well No. 5824-01) is not required since the pump capacity will remain the same. Also, a Water Use Permit is not required since the Hanamaulu Aquifer System is not designated as a water management area.
Please invoice DOW with the attached purchase order for the Permit Filing Fee. Call should you have any questions.

Sincerely,

SATO & ASSOCIATES, INC.

Liana S.F. Choy

Enclosures

cc: DOW/William Eddy
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT
☐ Well Construction or ☐ Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 521, Honolulu, Hawaii 96806. Application must be accompanied by 3 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. (Also, please check our website at: http://www.hawaii.gov/dlnr/dwrm/dwrm.html)

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

County of Kauai
WELL OWNER: _____________________________
Department of Water
Contact Person: _____________________________
Manager & Chief Engineer
Phone: (808) 245-5408
Fax: (808) 245-5813
E-mail: _____________________________

LAND OWNER: _____________________________
same as WELL OWNER
Contact Person: _____________________________
Phone: _____________________________
Fax: _____________________________
E-mail: _____________________________

CONTRACTOR: _____________________________
to be determined
Contact Person: _____________________________
Phone: _____________________________
Fax: _____________________________
E-mail: _____________________________
Lic #: _____________________________
(circle one: C-57, C-57a, or A)

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

Well No. 5824-10 at Puhi 510' reservoir site
Island: Kauai
Tax Map Key: (4) 3-4-05-10

Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1"=24,000"), and (b) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK:
(Check all that apply)
☐ Drill New Well ☐ Deepen ☐ Install New Pump
☐ Modify Existing Well ☐ Redrill ☐ Modify Pump
☐ Abandon/Seal * ☐ Replace Pump

* Well No.: 5824-10 Be sure to complete and submit well abandonment report upon completion of work.

4. CONSTRUCTION:
☐ Dug ☐ Bored ☐ Driven ☐ Drilled ☐ Radial

Is this well a part of a battery of wells? ☐ Yes ☐ No (Please describe.)

5. PROPOSED PUMP INFORMATION:
Rated Pump Capacity: _____________________________ gallons per minute

Pump Type (Check one):
☐ Deep Well Turbine ☐ Rotary ☐ Submersible
☐ Rotary-Displacement ☐ Reciprocating ☐ Centrifugal
☐ Rotary-Gear ☐ Impulse ☐ Electric, rated horsepower:

6. PROPOSED USE:
(Check all that apply)
☐ Municipal (including hotels, stores, etc.) ☐ Industrial
☐ Domistic (individual, noncommercial water system) ☐ No. of Dwelling Units:
☐ Irrigation (crop) ☐ No. of Acres:
☐ Military ☐ Other (explain): _____________________________

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

OTHER IMPORTANT INFORMATION:

8. PENDING ACTIONS:
☐ CDUA ☐ SMA ☐ EIS ☐ EA ☐ NONE ☐ Other (explain)

9. REMARKS, EXPLANATIONS: Well No. 5824-10 was recently assigned its number by CWRM upon discovery that it had no existing information on file.

__________________________________________________________
(If more space is needed, please attach additional sheet)

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 30 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

County of Kauai
Well Owner _____________________________
Department of Water
Signature _____________________________
Date 11/19/99

Landowner same as WELL OWNER
Signature _____________________________
Date _____________________________

Contractor _____________________________
Signature _____________________________
Date _____________________________

__________________________________________________________
Field Checked By _____________________________
Latitude _____________________________
Wyde _____________________________

__________________________________________________________
Longitude _____________________________
Aquifer System Name _____________________________
State Well No. _____________________________

WCPIFORM (9/13/99)
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 = \( \frac{\text{Water Elevation} - 41 \text{x} \text{Water Level Elevation}}{4} \)

Example: Estimated + 2 ft. Water Level Elev. — Bottom Elevation of Well Limit = \( \frac{2 - 41 \times 0.01}{4} \) = -18.5 ft.

* 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 report and referenced to a benchmark which has been established by a surveyor licensed by the State.

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

- Stainless Steel: (check one):
  - ASTM A409
  - ASTM A312

**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

**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:**
- Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139

- Stainless Steel: (check one):
  - ASTM A409
  - ASTM A312

**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

**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
TAX MAP SITE LOCATION
SOURCE: TMK: 4-3-4-05

FIGURE B