<table>
<thead>
<tr>
<th>TO: M. TAGOMORI</th>
<th>INITIAL:</th>
<th>PLEASE:</th>
<th>REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Matsumoto</td>
<td></td>
<td>See Me</td>
<td>1235 pp</td>
</tr>
<tr>
<td>L. Chang</td>
<td></td>
<td>Take Action By</td>
<td></td>
</tr>
<tr>
<td>G. Akita</td>
<td></td>
<td>Route to Your Branch</td>
<td></td>
</tr>
<tr>
<td>D. Lum</td>
<td></td>
<td>Review &amp; Comment</td>
<td></td>
</tr>
<tr>
<td>S. Miyamoto</td>
<td></td>
<td>Draft Reply By</td>
<td></td>
</tr>
<tr>
<td>S. Samuels</td>
<td></td>
<td>Acknowledge Receipt</td>
<td></td>
</tr>
<tr>
<td>P. Haraguchi</td>
<td></td>
<td>Xerox copies</td>
<td></td>
</tr>
<tr>
<td>N. Imada</td>
<td></td>
<td>Return</td>
<td>LAT:</td>
</tr>
<tr>
<td>P. Matsuo</td>
<td></td>
<td>File</td>
<td>Date: 6/14</td>
</tr>
<tr>
<td>N. Kaneshiro</td>
<td></td>
<td>Mail</td>
<td></td>
</tr>
<tr>
<td>R. Suzuki</td>
<td></td>
<td>For Information</td>
<td></td>
</tr>
</tbody>
</table>

- Enter on map & tear index
- Code and file
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N.A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96808. Phone 548-3048 or 548-7543 for assistance.

BATTERY OF WELLS: For a battery of wells, the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 6451-02
WELL NAME OR DESIGNATION: Kawaunee #1
ISLAND: HI

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR
Firm name: Big Island Drilling
Contact person: Paul Bergstedt
Address: Post Office Box 3147
City: Hilo
State: HI
Zip: 96720
Phone: 808-270-7050

B. OWNER OF WELL SITE
Firm name: N/A
Contact person: N/A
Address: 251-30 Kawaihae Rd.
City: Kona
State: HI
Zip: 96740
Phone: X-27072

C. WELL LOCATION
Tax Map Key: 3159-9-15
Town, Place, District: Hilo
Attach USGS “Quad” map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit “as-built” drawing, driller’s log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): 240 ft.
Elevation: 237.6 ft.
Reference point (Used to measure depth to water): 235 ft.
Depth to water (below reference point): 235 ft.
Casing diameter: 6 in.
Year drilled or constructed: 1987
Well contractor: Big Island Drilling
Solid casing depth (below ground): 245 ft.
Perforated casing depth (below ground): 250 ft.
Total depth of well: 245 ft.
Minimum chloride in 1987: 1245 ppm

E. INSTALLED PUMP DATA
Pump type: Vertical shaft
Power: Electric
HP: 3HP
Pump capacity: 40 gallons per minute
Pump installation contractor: Big Island Drilling

... (continued over)

For Official Use Only:
Date received: 1-23-89
Date accepted:
Field checked by: Date:
Comments:

Latitude: 20° 04' 21" Hydrologic Unit:
Longitude: 155° 51' 15"
State Well No: 6451-02

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly □ Other (Describe):

Method of measurement: □ Flow Meter □ Orifice □ Other (Describe): TIMES PUMPING TIME

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal (including resorts, hotels, businesses)</td>
<td></td>
</tr>
<tr>
<td>Domestic (systems serving 25 people or less)</td>
<td>Number of service connections: ____________________________</td>
</tr>
<tr>
<td>Irrigation</td>
<td>Acres Irrigated: ____________</td>
</tr>
<tr>
<td></td>
<td>Crop(s): □ Sugar □ Other (specify): Landscape</td>
</tr>
<tr>
<td></td>
<td>Non-Crop: □ Golf Course □ Other (specify): Method: □ Drip □ Furrow □ Sprinkler</td>
</tr>
<tr>
<td></td>
<td>□ Cooling □ Manufacturing □ Mill</td>
</tr>
<tr>
<td></td>
<td>□ Other (specify): Specify (livestock, aquaculture, etc.): ____________________________</td>
</tr>
</tbody>
</table>

Minimum day's use: ____________ gallons
Maximum day's use: ____________ gallons

Typical times of usage: ____________

Type of Use (Check all category boxes that apply and provide additional information as indicated):

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: Naaji Kawamata Date: 1/19/89
Printed Name: Naaji Kawamata
Firm or Title (Well Operator, etc.): Owner
Date of report: 8/4/87  
Person filing report: Paul Zergeski

A. OWNER: Naoli Kawamata  
NAME: Agricultural

B. GENERAL LOCATION: Kohala Estates

C. DRILLING COMPANY: Big-Island Drilling

D. TYPE OF RIG: 361  
DRILLING COMPLETED: 7/31/87  
DRILLER: Paul Zergeski

E. ELEVATION, msl: Top of drilling platform: 237.61 ft.  
Height of drilling platform above ground surface:  
ft.  
elevation:  

F. HOLE SIZE:  
12" diameter to 245 ft. below drilling platform.  
6" diameter to 245 ft. below drilling platform.  
6" diameter to 245 ft. below drilling platform.

G. CASING INSTALLED:  
6" I.D. x 3/8" wall solid section to 245 ft. below drilling platform.  
6" I.D. x 3/8" wall perforated section to 245 ft. below drilling platform.

H. ANNULUS: Grouted 0 ft. to 50 ft. below drilling platform.  
Gravel packed 50 ft. to ______ ft. below drilling platform.

I. PERMANENT PUMP INSTALLATION:  
Pump type, make, serial no.: Sub:berkeley 40ml 14-3  
Capacity: 45 g.p.m.  
Motor type, H.P., voltage, r.p.m.: Franklin 3 hp 230 vac 3600 rpm  
Depth of pump intake setting: 241 ft. below ground  
which elevation is ______ ft.  
Depth of bottom of airline: ______ ft. which elevation is ______ ft.

HYDROLOGY

J. INITIAL WATER LEVEL: 236 ft. below drilling platform.  
Date of measurement: 7/31/87

K. INITIAL CHLORIDE: 123 ppm, total depth of well: 241 ft. below drilling platform  
Sampling Date: 8/1/67

L. PUMPING TESTS:  
Reference point (R.P.) used:  
which elevation is ______ ft.

M. DRILLER'S LOG:

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 18</td>
<td>boulders</td>
<td>180 to 215 grey</td>
</tr>
<tr>
<td>18 to 48</td>
<td>hard blue stone</td>
<td>215 to 245 grey</td>
</tr>
<tr>
<td>48 to 57</td>
<td>soft red</td>
<td>240 to 245 grey</td>
</tr>
<tr>
<td>57 to 65</td>
<td>hard grey</td>
<td>245 grey hard water</td>
</tr>
<tr>
<td>65 to 72</td>
<td>harder grey</td>
<td>235'</td>
</tr>
<tr>
<td>72 to 77</td>
<td>open</td>
<td></td>
</tr>
<tr>
<td>77 to 100</td>
<td>medium red</td>
<td></td>
</tr>
<tr>
<td>100 to 112</td>
<td>hard grey</td>
<td></td>
</tr>
<tr>
<td>112 to 130</td>
<td>hard grey</td>
<td></td>
</tr>
<tr>
<td>130 to 150</td>
<td>red cinders</td>
<td></td>
</tr>
<tr>
<td>150 to 180</td>
<td>red cinders</td>
<td></td>
</tr>
<tr>
<td>180 to 150</td>
<td>loose grey</td>
<td></td>
</tr>
</tbody>
</table>

N. REMARKS:
WELL DRILLING PERMIT
for
Kawamata Well
State Well No. 6451-02
Kahua, North Kohala, Hawaii

TO: Mr. Naoji Kawamata
c/o Big Island Drilling
P.O. Box 2297
Kailua-Kona, HI 96745

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to drill State Well No. 6451-02 for agricultural use at Tax Map Key 5-9-5:15, is approved subject to the following conditions:

1. A Driller's Well Completion Report (enclosed) shall be submitted to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809, within 60 days after completion of the well.

2. Water level elevation, salinity and pumping test data shall be submitted within 60 days after testing of the well.

3. Reports of pumpage shall be submitted monthly after the well is put into production.

4. An "as-built" drawing of the well and a map showing the exact location of the well shall be submitted upon completion of the well.

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

6. This permit may be revoked if work is not started within six months of date of issuance or if work is suspended or abandoned for six months.

Date of Issuance
Jul 28 1987

Enc. (Driller's Report Form)

cc: USGS
Dept. of Health,
Drinking Water Program
Ground Water Protection Program
Hawaii Dept. of Water Supply
Big Island Drilling
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

APPLICATION FOR

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96814.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area? Yes ☐ No ☐

If "Yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "No", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island: Kauai Tax Map Key: 5-7-5-15 (B-3D) 
Area: 5.110 acres

2. WATER USER:
Address ____________________________ Telephone ____________________________ Zip Code ____________________________

3. PROPOSED DRILLING COMPANY: ____________________________

4. PROPOSED WORK: ☐ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal
☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

PROPOSED SECTION OF WELL

Elevation at top of casing 20 ft., msl.

Cement Grout 50 ft.
Hole Dia. 12 in.
Total Depth 290 ft.
Rock Packing 20 ft.

Ground Elev. 237 ft., msl

Solid casing:
Material: Frc
Length: 180 ft.
Diameter: 6 in.
Wall thickness: 1/8 in.

Casing:
Material: FRC
Length: 180 ft.
Diameter: 6 in.
Wall thickness: 1/8 in.
Openings 3/4 in./L

Open Hole:
Length: 180 ft.
Diameter: 6 in.

Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial
☐ Domestic ☐ Disposal ☐ Other (specify) ____________________________

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
☐ Daily _______ gallons ☐ Monthly _______ gallons ☐ Yearly _______ gallon

7. PROPOSED PUMP OR FLOW CAPACITY: _______ gallons per minute

Signature: ____________________________ Date: 7/13/87
Water User

Signature: ____________________________ Date: 7/13/87
Landowner of Well Site

For Official Use:

State Well No. 6451-02
DLN Permit No. ________________
DLN Application No. ________________