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 96809. Phone 548-3948 or 548-7543 for assistance.

BATTERY OF WELLS: For a battery of wells, on 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.: 5635-01
ISLAND: KAUAI
DOMESTIC WATER WELL

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

A. WELL OPERATOR
Firm name: OLOKELE SUGAR CO., LTD.
Contact person: DONALD B. CATALUNA
Address: PO BOX 156
KAUMAKANI, HI
Zip: 96747 Phone: (808) 335-5337

B. OWNER OF WELL SITE
Firm name: GAY & ROBINSON
Contact person: WARREN S. ROBINSON
Address: PO BOX 88
MAKAWEI, HI
Zip: 96769 Phone: (808) 338-1711

C. WELL LOCATION
Tax Map Key: 1-7-06-04
Town, Place, District: Field 350, Olokele Sugar Co., Waimea
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): 372 ft.
Reference point (Used to measure depth to water): 372 ft.
Description: Portal
Depth to water (Below reference point): 355 ft.
Maximum recorded chloride: 190 ppm
Minimum recorded chloride: 140 ppm
Maximum chloride in 1987: 190 ppm
Minimum chloride in 1987: 140 ppm

E. INSTALLED PUMP DATA
Pump type: ✑ Vertical shaft ✑ Submersible ✑ Centrifugal ✑ Other (specify):
Power: ✑ Diesel, 150 HP ✑ Gas, 150 HP ✑ Electric, 150 HP ✑ Other (specify):
Pump capacity: gallons per minute
Pump installation contractor: Olokele Sugar Company, Limited

... (continued over)

For Official Use Only:
Date received: Date accepted: 
Field checked by: Date: 
Latitude: 21° 56' 35"
Hydrologic Unit: 
Longitude: 154° 35' 50"
State Well No.: 5635-01

References: Hawaii Revised Statutes, Chapter 174.
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

Method of measurement: ☐ Flow Meter ☐ Orifice ☐ Other (describe): From electric meter readings.

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></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>31,785</td>
<td>32,874</td>
<td>41,241</td>
<td>40,567</td>
<td>39,783</td>
</tr>
<tr>
<td>February</td>
<td>31,793</td>
<td>32,926</td>
<td>32,059</td>
<td>34,411</td>
<td>33,063</td>
</tr>
<tr>
<td>March</td>
<td>41,107</td>
<td>42,833</td>
<td>43,796</td>
<td>41,007</td>
<td>42,693</td>
</tr>
<tr>
<td>April</td>
<td>33,637</td>
<td>31,970</td>
<td>34,526</td>
<td>34,044</td>
<td>33,881</td>
</tr>
<tr>
<td>May</td>
<td>34,037</td>
<td>33,496</td>
<td>34,733</td>
<td>34,244</td>
<td>34,304</td>
</tr>
<tr>
<td>June</td>
<td>44,230</td>
<td>42,619</td>
<td>42,881</td>
<td>35,496</td>
<td>43,474</td>
</tr>
<tr>
<td>July</td>
<td>33,126</td>
<td>34,289</td>
<td>35,096</td>
<td>37,952</td>
<td>36,093</td>
</tr>
<tr>
<td>August</td>
<td>33,778</td>
<td>33,778</td>
<td>34,800</td>
<td>34,141</td>
<td>33,404</td>
</tr>
<tr>
<td>September</td>
<td>43,196</td>
<td>43,126</td>
<td>43,493</td>
<td>42,963</td>
<td>43,830</td>
</tr>
<tr>
<td>October</td>
<td>34,796</td>
<td>40,893</td>
<td>41,296</td>
<td>29,852</td>
<td>32,219</td>
</tr>
<tr>
<td>November</td>
<td>32,181</td>
<td>35,533</td>
<td>32,319</td>
<td>33,941</td>
<td>38,163</td>
</tr>
<tr>
<td>December</td>
<td>41,200</td>
<td>39,444</td>
<td>32,841</td>
<td>37,615</td>
<td>28,137</td>
</tr>
<tr>
<td>ANNUAL</td>
<td>434,866</td>
<td>443,781</td>
<td>449,081</td>
<td>436,233</td>
<td>439,054</td>
</tr>
</tbody>
</table>

Minimum day's use: 0 gallons Maximum day's use: 1,578,000 gallons
Typical times of usage: Normally 24 hours/day every day.

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

**Category**

☒ Municipal (including resorts, hotels, businesses)
☐ Domestic (systems serving 25 people or less)
☐ Irrigation
☐ Industrial
☐ Military
☐ Other

**Additional Information**

**DRINKING WATER FOR KAUMAKANI AND PAKALA**

Number of service connections: ___________

Acres irrigated:

Crop(s): ☐ Sugar ☐ Pineapple
☐ Other (specify): ___________

Non-Crop: ☐ Landscape ☐ Golf Course
☐ Other (specify): ___________

Method: ☐ Drip ☐ Furrow ☐ Sprinkler

☐ Cooling ☐ Manufacturing ☐ Mill
☐ Other (specify): ___________

Specify (livestock, aquaculture, etc.): ___________

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: ___________________________ Date: 12/16/88

Printed Name: DONALD B. CATALUNA

Firm or Title (Well Owner, etc.): OLOKELE SUGAR COMPANY, LIMITED
ELEVATIONS FROM THE INTERSECTION OF THE GOVERNMENT ROAD AND THE AVENUE TO THE BOTTOM OF THE DOMESTIC WATER TUNNEL

<table>
<thead>
<tr>
<th>Point Number</th>
<th>Elevation</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>184.77</td>
<td>U. S. survey marker, Hanapepe corner, Main Entrance</td>
</tr>
<tr>
<td>2</td>
<td>241.67</td>
<td>Waimea side of road on concrete basin</td>
</tr>
<tr>
<td>3</td>
<td>268.86</td>
<td>Waimea side of road on concrete basin</td>
</tr>
<tr>
<td>4</td>
<td>285.79</td>
<td>Waimea-Makai corner, concrete flume</td>
</tr>
<tr>
<td>5</td>
<td>285.36</td>
<td>Makai side of road, concrete flume</td>
</tr>
<tr>
<td>6</td>
<td>273.41</td>
<td>Makai-Hanapepe corner, guy pole</td>
</tr>
<tr>
<td>7</td>
<td>308.51</td>
<td>Waimea side of road, telephone pole</td>
</tr>
<tr>
<td>8</td>
<td>344.71</td>
<td>Waimea-Makai corner, power pole</td>
</tr>
<tr>
<td>9</td>
<td>387.92</td>
<td>Hanapepe side of road, concrete flume head</td>
</tr>
<tr>
<td>10</td>
<td>388.95</td>
<td>Top of One inch pipe on makai side of weir</td>
</tr>
<tr>
<td>11</td>
<td>386.99</td>
<td>Waimea side of road, power pole</td>
</tr>
<tr>
<td>12</td>
<td>419.60</td>
<td>Waimea side of road, power pole</td>
</tr>
<tr>
<td>13</td>
<td>425.69</td>
<td>Waimea side of road, power pole on corner</td>
</tr>
<tr>
<td>14</td>
<td>479.44</td>
<td>Waimea side of road, power pole by tower</td>
</tr>
<tr>
<td>15</td>
<td>480.39</td>
<td>Brick catch basin by tower</td>
</tr>
<tr>
<td>16</td>
<td>449.45</td>
<td>Hanapepe side of road, power pole</td>
</tr>
<tr>
<td>17</td>
<td>417.75</td>
<td>Hanapepe side of road, pump discharge pipe (10&quot;)</td>
</tr>
<tr>
<td>18</td>
<td>416.87</td>
<td>Hanapepe side of road, concrete valve housing</td>
</tr>
<tr>
<td>19</td>
<td>426.95</td>
<td>Waimea side of road, concrete flume underpass</td>
</tr>
<tr>
<td>20</td>
<td>445.65</td>
<td>Hanapepe side of road, power pole</td>
</tr>
<tr>
<td>21</td>
<td>469.51</td>
<td>Hanapepe side of road, on pipe near valve</td>
</tr>
<tr>
<td>22</td>
<td>443.95</td>
<td>Hanapepe side of road, concrete flume</td>
</tr>
<tr>
<td>23</td>
<td>439.78</td>
<td>Hanapepe-Makai corner, old power pole footing</td>
</tr>
<tr>
<td>24</td>
<td>443.55</td>
<td>Makai side of road, concrete flume underpass</td>
</tr>
<tr>
<td>25</td>
<td>428.37</td>
<td>Domestic water discharge pipe into ditch</td>
</tr>
<tr>
<td>26</td>
<td>425.64</td>
<td>Power pole near above</td>
</tr>
<tr>
<td>27</td>
<td>375.63</td>
<td>Bolt at base of winch column outside domestic water tunnel building</td>
</tr>
<tr>
<td>28</td>
<td>378.83</td>
<td>Top of stairs to tunnel house</td>
</tr>
<tr>
<td>29</td>
<td>376.39</td>
<td>Concrete motor base near hoist drum</td>
</tr>
<tr>
<td>30</td>
<td>20.33</td>
<td>Top of pump curb</td>
</tr>
<tr>
<td>31</td>
<td>19.04</td>
<td>Foot of car track (About 5' above water level)</td>
</tr>
</tbody>
</table>
July 10, 1980

Mr. Richard B. Cushnie  
Vice President and Manager  
Olokele Sugar Co., Ltd.  
P.O. Box 156  
Kaumakani, Kauai 96747

Dear Mr. Cushnie:

We have received the Driller's Report indicating completion of the replacement of a 900 gpm pump with an 1100 gpm pump.

Thank you for keeping us informed regarding this matter.

Very truly yours,

SUSUMU ONO
Chairman of the Board
June 26, 1980

Mr. Susumu Ono, Chairman
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ono:

The attached Driller's Report indicates completion of the replacement of a 900 gpm pump with an 1100 gpm pump. No other changes were made to this facility.

The flow rate and chloride rate are expected to be constant at 1000 gpm and 141 ppm respectively.

Very truly yours,

Richard B. Cushnie
Vice President and Manager

MO/fgd
Attachment
DIVISION OF WATER AND LAND DEVELOPMENT

DRILLER'S REPORT

DESCRIPTION

Date of report May 28, 1980
Person filing report H. J. Poppinga

A. OWNER Olokele Sugar Co., Ltd. WELL
   WELL NAME
   ISLAND Kauai

B. GENERAL LOCATION Kaumakani, Kauai TMK 1-07-06-04

C. DRILLING COMPANY
   Rose Moss Comp. 7

D. TYPE OF RIG CABLE TOOL DRILLING COMPLETED month/year

E. ELEVATION, msl: Top of drilling platform ft. Bench mark and method used to determine
   Height of drilling platform above ground surface ft. elevation:
   ...
   ...

F. HOLE SIZE:
   inch dia. to ft. below drilling platform.
   ...
   ...
   ...

G. CASING INSTALLED:
   in. I.D. x in. wall solid section to ft. below drilling platform.
   ...
   ...

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

I. PERMANENT PUMP INSTALLATION:
   Size 6 x 8 - 17
   Pump type, make, serial no. Goulds Pumps, Inc.-Model 3316
   Capacity 1000 g.p.m.
   Motor type, H.P., voltage, r.p.m. 150 HP - 440 V 1800 RPM
   Depth of pump intake setting ft. below which elevation is ft.
   Depth of bottom of airline ft. below which elevation is ft.

HYDROLOGY

J. INITIAL WATER LEVEL ft. below drilling platform. Date of measurement.
K. INITIAL CHLORIDE: ppm, total depth of well ft. below drilling platform

L. PUMPING TESTS:
   Reference point (R.P.) used: which elevation is ft.
   Date
   Start water level ft. below R. P.
   End water level ft. below R. P.
   Depth of well ft. below R. P.
   Elapsed Time (hours) Rate (gpm) Draw-down (ft.) Cl- (ppm) Temp. °F
   to to to to
   ...
   ...
   ...
   ...

SUBSURFACE FORMATION

M. DRILLER'S LOG:
   Depth, ft. Rock Description & Remarks
   Water Level ft. Depth, ft. Rock Description & Remarks
  ...
   ...

N. REMARKS: A 900 gpm pump was replaced by a 1100 gpm pump.

FOR DRILLER'S USE
INSTRUCTIONS: Send three(3) copies to: Manager-Chief Engineer, Division of Water and Land Development, P. O. Box 373, Honolulu, Hawaii 96809.

FOR OFFICIAL USE
Latitude

REFERENCES: Chapter 178, entitled "Artesian Wells, Generally," HRS, as
WELL MODIFICATION PERMIT

TO: Mr. Richard B. Cushnie
Olokele Sugar Company, Ltd.
P.O. Box 156
Kaumakani, Kauai, Hawaii 96747

Your application dated April 22, 1980, for a well modification permit at Kaumakani, Kauai, TMK 1-7-06-04 is approved in accordance with Regulation 9, subject to the following conditions:

1. Upon completion of the modification work, the enclosed Driller's Report shall be completed and sent in to the Division of Water and Land Development.

2. Monthly pumpages and chlorides shall be reported regularly each month to the Division of Water and Land Development.

Susumu Ono, Chairman
Board of Land & Natural Resources

May 12, 1980
Date of Issuance
DIVISION OF WATER AND LAND DEVELOPMENT

From: [ ] Date: 4/08 File in: [ ]

To: [ ] Initial

[ ] Robert T. Chuck [ ] See Me
[ ] Takeo Fujii [ ] Take action by [ ]
[ ] James Yoshimoto [ ] Route to your branch
[ ] Manabu Tagomori [ ] Review & comment
[ ] George Morimoto [ ] Draft reply by [ ]
[ ] Hong Fong Chang [ ] For information
[ ] Herbert Morimatsu [ ] Xerox distributed
[ ] George Miyashiro [ ] Acknowledge receipt
[ ] Harold Sakai [ ]
[ ] Leslie Asari [ ]
[ ] Albert Ching [ ]
[ ] George Matsumoto [ ]
[ ] Daniel Lum [ ]
[ ] Paul Matsuo [ ]
[ ] Noboru Kaneshiro [ ]
[ ] Edwin Sakoda [ ]

[ ] Jane Sakai [ ]
[ ] Doris Hamada [ ]
[ ] Lorraine Nanbu [ ]
[ ] Jean Siarot [ ]
[ ] Elsie Yonamine [ ]

[ ]

[ ]

Draft letter type permit.

conditions: Water use to be reported monthly
pumping data to be completed (read fb)
D.R. to be completed (read fb)
C.C. to be completed
C.C. DWS

Check: [ ]

[ ]
APPLICATION FOR (check one)

☐ 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 96809.

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 1-7-06-04. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER OLOKELE SUGAR COMPANY, LIMITED Telephone 335-5359
Address P. O. BOX 156, KAUMAKANI, HAWAII Zip Code 96747

3. PROPOSED DRILLING COMPANY: NONE

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):

REPLACE THE PRESENT 1000 GPM PUMP WITH A NEW 1100 GPM PUMP AT THE SAME LOCATION.

PROPOSED SECTION OF WELL

Elevation at top of casing ft., msl.

Cement Grout ft.
Hole Dia. in.
Total Depth ft.
Rock Packing ft.

Ground Elev. ft., msl*

Solid casing:
Material
Length ft.
Diameter in.
Wall thickness in.

Casing: ☐ Perforated ☐ Screen
Material
Length ft.
Diameter in.
Wall thickness in.
Openings sq.in./L.F.

Open Hole:
Length ft.
Diameter 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 5/6, 160,000 gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 1100 gallons per minute

Signature: Richard B. Cushnie
Water User Richard B. Cushnie
Vice President and Manager

Signature: Frank O. Lamanna
Handrager of Well Site

Date: April 19, 1980

For Official Use:
State Well No. 5635-01
DLNR Permit No. 
DLNR Application No.
WELL MODIFICATION PERMIT

TO: Mr. Richard B. Cushnie
   Olokele Sugar Company, Ltd.
   P.O. Box 156
   Kaumakani, Kauai, Hawaii 96747

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2. Monthly pumpages and chlorides shall be reported regularly each month to the Division of Water and Land Development.

May 12, 1980
Date of Issuance

Susumu Ono, Chairman
Board of Land & Natural Resources
TO: Mr. Richard B. Cushnie  
Olokele Sugar Company, Ltd.  
P.O. Box 156  
Kaumakani, Kauai, Hawaii 96747

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2. Monthly pumpages and chlorides shall be reported regularly each month to the Division of Water and Land Development.

May 12, 1980  
Date of Issuance
May 8, 1980

Mr. Walter Briant  
Manager & Chief Engineer  
Department of Water  
County of Kauai  
P.O. Box 1706  
Lihue, Kauai 96766

Dear Walt:

Enclosed for your information and files is a copy of the Well Modification Permit issued to Olokele Sugar Company for their well site at Kaumakani, Kauai, TMK 1-7-06-04.

Very truly yours,

Robert T. Chuck  
Manager-Chief Engineer

ES:ai  
Enc.