<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>30601</td>
<td>KOOLAULOA</td>
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### Aquifer System Code 30601 KOOLAULOA

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<tr>
<th>Well No.</th>
<th>Well Name</th>
<th>Aquifer Code</th>
<th>Owner/User</th>
<th>Drilled Year</th>
<th>Casing Type</th>
<th>Total Dia. (In.)</th>
<th>Casing Solid Perf.</th>
<th>Casing Ground Case</th>
<th>Casing Hole Case</th>
<th>Aquifer</th>
<th>Elevation of Ground Water (ft.)</th>
<th>Initial Static Head (ft. msl)</th>
<th>Initial Cl. Temp (mg/l)</th>
<th>Pump Test Results (gpm/ft, sq.ft./day, mgd, Status)</th>
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</thead>
<tbody>
<tr>
<td>3755-01</td>
<td>LAIE</td>
<td>30601</td>
<td>KAHUKU PLANTN</td>
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<td>213738</td>
<td>1575518</td>
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<td>10</td>
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<td>22</td>
<td>148</td>
<td>17.1</td>
<td>30, OTH, DOM</td>
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</tbody>
</table>

### Well Information

- **Island Code**: 3, OAHU
- **Aquifer System Code**: 30601 KOOLAULOA
- **Well Count for the Island**: 28

---

**Notes:**
- **Status:** Unfinished (UNF), Completed (COM), Operable (OPR), Non-operable (NON), Activated (ACT), Inactive (INAC), Permit (PER), Dug (DUG), Lost (LOS), Declined (DECL), Shut-down (SHUT), Inoperable (INO), Unuseable (UNU), Irrigated (IRR), Domestic (DOM), Agricultural (AGR), Construction (CON), Other (OTH)
- **Data:** Date of data collection
- **Well Count:** Total number of wells for the Island and Aquifer System.
## ANNUAL GROUND WATER USE REPORT

Mr. Adrian Almeida  
53-674 Kamehameha Hwy.  
Punaluu, HI 96717

**INSTRUCTIONS:** Please TYPE OR PRINT CLEARLY. Complete this form to report total monthly ground water use, and, if required, other information from each of your well sources. Mail to: Commission on Water Resource Management, P.O. Box 621, Honolulu HI 96809. For assistance, please call...

<table>
<thead>
<tr>
<th>State Well No.</th>
<th>Month</th>
<th>Measurement Begin Date (mm/dd/yy)</th>
<th>Measurement End Date (mm/dd/yy)</th>
<th>Quantity Pumped (gallons)</th>
<th>Method* of Measurement</th>
<th>Chloride (mg/l)**</th>
<th>Temp. [°F]</th>
<th>Water Level (ft. above msl)</th>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

* - flow meter, electrical consumption, weir of flume, not metered (estimated)
** - indicate whether chloride sample is an average or a single measurement
*** - indicate whether water level measurement is an average or a single measurement

Other comments or additional information (e.g. - method of chloride measurements; how pumpage amounts are estimated; etc...):

Submitted by (print) _____________________________  Title _____________________________  
Signature _____________________________  Date _____________________________  

Form agwurf.frm
WELL COMPLETION REPORT

(WELL CONSTRUCTION REPORT)

PART I.

Well Name: Almeida Well
Island: Oahu
State Well No.: 3755-09
Location/Address: 55-178 Kam Hwy., Oahu
Tax Map Key: 5-5-001-02-0

3. Drilling Company: Geolabs-Hawaii
4. Name of driller who performed work: Derek Todd
5. Type of rig/construction: Mobile R-80
6. Date(s) Well Construction and pump tests (if any) completed: June 6, 1997
7. GROUND ELEVATION (referenced to mean sea level, msl): 13.7 ft
   Well Bench Mark (description/location): Cut on conc. slab Elevation (msl): 13.89 ft
8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)

   Depths (ft.) Rock Description, Water Level, Dates, etc.
   0 to 41 Sandy Silt with Gravel
   41 to 80 Dark-gray slightly weathered Basalt
   80 to 85 Brown Silty Clay
   85 to 170 Dark Gray fractured Basalt

9. Total depth of well below ground: 190 ft
10. Hole size: 10 inch dia. from 0 ft to 40 ft below ground
     8 inch dia. from 40 ft to 190 ft below ground
     6 inch dia. from 190 ft below ground

11. Casing installed: 4 in. I.D. x 0.474 in. wall solid section to 0-175 ft below ground
    4 in. I.D. x 0.474 in. wall perforated section to 175-190 ft below ground
    Casing Material/Slot Size: PVC - 0.20 inch

12. Annulus: Grouted from 0 ft below ground to 171 ft below ground
     Gravel packed from 171 ft below ground to 190 ft below ground

13. Initial water level: 3.7 ft above ground
14. Initial chloride: 3.0 mg/l 320 ppm
15. Initial temperature: 73.0°F
16. PUMPING TESTS: Reference Point (R.P.) used: Top of casing, which elevation is 18.92 ft
    (1) Step-Drawdown Test Date
    Start water level ft. below R.P.
    End water level ft. below R.P.
    Date and time of measurement: May 16, 1997
    Date and time of sampling: May 16, 1997
    Date and time of measurement: May 16, 1997
    (2) Long-term Aquifer Test Date
    Start water level ft. below R.P.
    End water level ft. below R.P.
    Date and time of measurement: May 16, 1997

17. Aquifer Pump Test Procedures data & graphs (1/9/96 LTAT Form) attached? X Yes _No
18. As-built drawings attached? X Yes _No
19. Other remarks/comments: (On back of this form)

Well Drilling Contractor (print) Geolabs-Hawaii
C-57 Lic. No. C-13040
Signature
Date 6/26/97

Surveyor (print) Signature
SEE AS BUILT
Date

Applicant (print) Signature
Date 7/17/97
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: ________________________________

21. Name of person performing work: ___________________________

22. Date-Pump Installation Completed: ___________________________

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: ________________________________  Capacity: ________ gpm
   Motor type, H.P., Voltage, rpm: ______________________________
   Depth of Pump Intake Setting ________ ft. below __________ , which elevation is ________ ft.
   Depth to bottom of airline ________ ft. below __________ , which elevation is ________ ft.
   Pumping Head is ________ ft. Type of flow meter: __________ which measures in ________

24. As-built drawings attached?  __ Yes __ No

25. Other remarks/comments: (See below)

Pump Installation Contractor (print) ____________________________  C-57 Lic. No. ____________________________
Signature ____________________________________  Date ____________________________

Applicant (print) __________________________________________
Signature ____________________________________  Date ____________________________

8.(cont'd) DRILLER'S LOG (cont'd):

<table>
<thead>
<tr>
<th>Water Level Depth (ft.)</th>
<th>Rock Description, Remarks, Dates (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 to 190</td>
<td>Dark gray slightly weathered basalt</td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
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<td>to</td>
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</tr>
<tr>
<td>to</td>
<td></td>
</tr>
</tbody>
</table>

19. & 25. Remarks:

__________________________________________________________________________________________
Elevation at top of casing
12.3 ft, msl.

Cement Grout: 171 ft.

Rock Packing: 19 ft.

Hole Diameter: 8 in.

Total Depth: 190 ft.

Ground Elevation: 12.3 ft, msl.

10" DIA. BOREHOLE

Solid Casing:
Material: SCH 40 PVC
Length: 173 FEET ft.
Diameter: 4 INCHES in.
Wall thickness: 0.074 INCH in.

Casing: □ Perforated □ Screen
Material: SCH 40 PVC
Length: 15 FEET ft.
Diameter: 4 INCHES in.
Wall thickness: 0.074 INCH in.
Openings: 8.960 sq. in./L.F.

Open Hole:
Length: N/A ft.
Diameter: N/A in.

AS-BUILT WELL SECTION

NTS
MEMORANDUM

TO: Pacifico Padilla - Geolabs-Hawaii
Adrian Almeida

FROM: Tom Nance

SUBJECT: Pump Test of Well 3755-09 at 55-178 Kamehameha Highway in Lai, Oahu

Enclosed with this memo is the water level recorded in the well before, during, and following the 8-hour pump test conducted on May 16th. I've also enclosed the chlorides of samples taken during the test, and salinity and temperature profiles through the water column which I made when the water level recorder was retrieved on May 17th. The static water level was about 3.7 feet above ground. During the pump test, drawdown was about 1.5 feet at 22 GPM, meaning that the water level was still above the ground surface. An above-ground, end suction pump would be appropriate for the permanent installation. Salinity of the pumped water was relatively low (chlorides of about 30 MG/L). The enclosed information should be submitted with the Well Completion Report to be filed by Geolabs-Hawaii with the State Commission on Water Resource Management.

It should also be noted that the water levels are plotted at an assumed elevation since a survey to establish the actual elevation of the well has not been done. Remember that the elevation surveyed by a registered surveyor must be filed with the Well Completion Report.

Enclosures
Chlorides During the 8-Hour Pump Test of the Almeida Well, State No. 3755-09 May 16, 1997

<table>
<thead>
<tr>
<th>Sample Time</th>
<th>Pumping Rate (GPM)</th>
<th>Chlorides (MG/L)</th>
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<td>9:00 AM</td>
<td>22.6</td>
<td>28</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>21.5</td>
<td>28</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>21.4</td>
<td>30</td>
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<tr>
<td>3:00 PM</td>
<td>22.6</td>
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</tr>
<tr>
<td>5:00 PM</td>
<td>22.6</td>
<td>32</td>
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</tbody>
</table>

**Note:** The 8-hour pump test was run at 22 GPM from 9:00 AM to 5:00 PM.
SALINITY PROFILE
AA51797.Z

TEMPERATURE PROFILE
AA51797.Z

Almeida Well
State No. 3755-09
AA51797.Z
May 17, 1997
Almeida Well 3755-09

Transmissivity [ft²/d]: 2.67 x 10²
Storativity: 2.39 x 10⁰
<table>
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<th>Test duration [d]</th>
<th>Water level [ft]</th>
<th>Drawdown [ft]</th>
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<td>2</td>
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AFTER-THE-FACT PUMP INSTALLATION PERMIT

Almeida Well, Well No. 3755-09

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 of Almeida Well No. 3755-09 at 55-178 Kamehameha Highway, Oahu, TMK 5-5-001: 020, 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 to the Commission on Water Resource Management (Commission), P.O. Box 492, Honolulu, HI 96813, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and may 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 30 gpm capacity, or less, pump in the well.

3. The permittee 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 an annual 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 is 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 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 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 is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

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 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 must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

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

Date of Approval: August 14, 1997
Expiration Date: August 14, 1999

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: 8/25/97
Printed Name: Adrian Almeida
Firm or Title: __________________________

Installer's Signature: __________________________ License #: 88048 Date: 8/25/97
Printed Name: Vincent's Plumbing
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 Branches
Honolulu Department of Water Supply
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: **Vincent's Plumbing**
21. Name of person performing work: **Anthony M. Vincent**
22. Date Pump Installation Completed: **7-19-97**

23. **PUMP INSTALLATION:**
   - Pump Type, Make, Serial No.: **EE Myers Jet Pump HJ755 Capacity: 5.5-14.5 gpm**
   - Motor type, H.P., Voltage, rpm: **3/4 H.P., 220VAC, 3550 rpm**
   - Depth of Pump Intake Setting: **N/A** ft. below which elevation is __________ ft.
   - Depth to bottom of pipeline: **N/A** ft. below which elevation is __________ ft.
   - Pumping Head is: **62'-138 ft.** Type of flow meter: **N/A** which measures in __________

24. As-built drawings attached: **Yes**
25. Other remarks/comments: (See below)

**Pump Installation Contractor (print)**: **Vincent's Plumbing**  C-67 Lic. No. **C8098**
**Signature**

**Applicant (print)**: **Adrian Almeida**
**Signature**

**Date**: **7-19-99**

8. (cont'd) **DRILLER'S LOG (cont'd):**

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<tr>
<th>Water Level</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks</th>
</tr>
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<tbody>
<tr>
<td>170 to 190</td>
<td>Dark gray slightly weathered basalt</td>
<td></td>
</tr>
<tr>
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19. & 25. Remarks:

**VIN# 3755-09 ALMEIDA**
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<th>TO:</th>
<th>INIT.</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<td>See Me</td>
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<td>CHING, F.</td>
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<td>NAKAMA, L.</td>
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<td>Signature</td>
<td>Review &amp; Comment</td>
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<td>FUJII, N.</td>
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Eddie (female) 293 1637 requested info on 3755-09. (found no file, and the def has only WCP appr Dec 96. What about WUP? She would also like a copy of WCP, cross-section of proposed well.)
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 621, Honolulu, Hawaii 96805. Application must be accompanied by 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 [______].

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax 3
(a) WELL OWNER
 Firm Name: Adrian Uahine Almecide
 Contact Person: Adrian
 Address: 53-679 Kam Hwy, Kaneohe, HI 96741

(b) LANDOWNER
 Firm Name: SA
 Contact Person: 
 Address: 

(c) CONTRACTOR
 Firm Name: To be Selected 
 Contact Person: 
 Address: 
 Contractor’s C-57 License No.

2. WELL LOCATION/NAME: Almecide Island: Oahu
Address: 53-679 Kam Hwy, Kaneohe, HI Tax Map Key: 1-5-5-001-020
(Attach a USGS map, scale 1"=2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
- Drill New Well
- Deepen
- Install New Pump
- Modify Existing Well
- Redrill
- Modify Pump
- Abandon/Seal *
- Replace Pump

* Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:
- Dug
- Bored
- Driven
- Drilled
- Radial

Is this well a part of a battery of wells? 
Yes
No
(Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 
   Gallons per minute
   Motor:
   Deep Well Turbine
   Rotary
   Submersible
   Propeller
   Rotary-Displacement
   Reciprocating
   Centrifugal
   Rotary Gear
   Impulse
   Electric, rated horsepower: 

   If Pump Replacement, Existing Pump Capacity: 
   Gallons per minute

5. PROPOSED USE:
- Municipal (including hotels, stores, etc.)
- Military
- Domestic (individual, noncommercial water sys.)
- Industrial
- Irrigation (crop)
- Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   Gallons per day
   500

(b) METHOD OF FLOW MEASUREMENT:
   Flow-meter
   Open-pipe
   Orifice Plate
   Weir

7. PENDING ACTIONS:
   CDUA
   SDA
   EIS
   EA
   NONE
   Other (explain)

   Completion Date:

8. REMARKS, EXPLANATIONS:

   (If more space is needed, continue on back)

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 cumulative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: Adrian Uahine Almecide
Landowner: Adrian Uahine Almecide
Contractor:

Signature: 9/1/19
Date: 

(For Official Use Only)

Data Received
Data Accepted

Field Checked By
Date:

Longitude
Latitude

State Well No.
Aquifer System Name: KoClO4

11/09/95 WOR Form
October 24, 1996

To:    Lenore Nakama, Staff
        Commission on Water Resources Management

From:  FOR
        Dennis Tulang, Chief
        Wastewater Branch

Subject: Well Construction Permit Application for
        Almeida Well (Well No. 3755-09)
        TMK: (1) 5-5-01: 20

We have reviewed the well construction permit application for
Well No. 3755-09 submitted by your office. Our records show an
treatment individual wastewater system (IWS) - septic tank on the
same property. Although we have no Administrative Rules
regarding the placement of potable water wells near an onsite
wastewater system, we do recommend that they be kept as far away
from each other as possible. The well should be protected from
contamination from this wastewater source and water quality
checked periodically. Please find attached our "IWS Data Profile
- County of Oahu" database worksheet stating the existence of an
IWS on the property.

For details, please call Mr. Johnny Ong, Planning/Design Section
Engineer of the Wastewater Branch at telephone Please
refer to IWS File # 179.

LK: bhm

Attachments: IWS Data Profile - County of Oahu, File 179
9. PROPOSED WELL SECTION

Elevation at top of casing

130.2 ft., msl.

Cement Grout: 78 ft.

"Back-Packing 18 ft.

Cement

7 7/8 in.

Hole Diameter:

Total Depth 150 ft.

Ground Elevation: 295.6 ft., msl

Solid Casing:

Material: Steel 4.0 ST.

Length: 120 ft.

Diameter: 4" in.

Wall thickness: 5/16" in.

Casing: [ ] Perforated [ ] Screen

Material

Length

Diameter

Wall thickness

Openings sq. in./A.F.

Open Hole:

Length: 6 1/2 ft.

Diameter: 2 7/8 in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
Transmitted for your review and comment is a copy of the captioned well 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 October 18, 1996.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Roy Hardy of the Commission staff at [Contact Information].

RH:ss
Attachment(s)

RESPONSE: ( ) We have no comments
( ) Comments attached

Contact Person: [Contact Information]

Signed: [Signature]

Phone: [Contact Information]

Date: [Date]
WELL CONSTRUCTION PERMIT

Almeida Well, Well No. 3755-09

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 Almeida Well (Well No. 3755-09) at 55-178 Kamehameha Highway, Oahu, TMK 1-5-6-001-020, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. 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 by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission 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 Commission.

3. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) 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 water quality data.

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

8. The well construction permit application and staff submittal approved by the Commission at its December 9, 1996 meeting are incorporated into the permit by reference.

9. 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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: December 9, 1996
Expiration Date: December 9, 1998

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.

Applicant's Signature:

Printed Name: Adrian Almeida
Firm or Title:

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

Attachments
USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Honolulu Board of Water Supply

cc: Michael D. Wilson, Chairperson
Commission on Water Resource Management
STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

November 20, 1996

Adrian Almeida
APPLICATION FOR WELL PERMIT
Almeida Well (Well No. 3755-09)
Well Construction: 4-inch Casing Diameter, 150-ft Deep Well
Pump Installation: 30 GPM for domestic use
TMK 5-5-001: 020, 55-178 Kam Hwy., Oahu

APPLICANT:
Adrian Almeida
53-674 Kamehameha Highway
Punalu'u, Oahu, HI 96717

LANDOWNER:
Same

DESCRIPTION:
Location: (See Exhibit 1)
Dimensions: (See Exhibit 2)

BACKGROUND:
The application was accepted as complete on September 26, 1996.

WATER AVAILABILITY:
Koolauloa Aquifer System of the Windward Sector
Estimated Sustainable Yield: 35 mgd
Current Aquifer System Pumpage (12-MAV as of XXX): XXX mgd
Proposed Use: .0005 mgd., domestic

ISSUES/ANALYSIS:
Agency Review: Copies of the application were sent to the Department of Health’s Safe Drinking Water and Wastewater Branches. Additionally, notice of the application was published in the October 1996 bulletin. No comments or concerns were indicated.

Staff Review: There are twenty (20) other wells within a mile of the proposed well. No adverse impacts to water resources are anticipated from the drilling activity. Results of the standard pump test should provide information to assess pumpage impacts to these other wells.

RECOMMENDATION:
A. That the Commission approve the issuance of a well construction permit for Almeida Well (Well No. 3755-09), subject to the standard conditions in Exhibit 3, and the following special conditions:
1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least xxx hours long.
3. No step-drawdown test is required.
4. The well should not be used for drinking water unless it is properly tested and treated.
5. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.
6. Standard Condition xxx is waived.
7. xxx.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e (Exhibit 3), subject to the Standard Pump Installation Conditions in Exhibit 4.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Exhibit(s):
1. (Location Map)
2. (Proposed Well Section)
3. (Standard Well Construction Permit Conditions)
4. (Standard Pump Installation Permit Conditions)
5. (Well Completion Report Form)
6. (Pump Test Procedures)
7. (Water Use Report Form)
8. (xxx)

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. 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 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 one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission 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 Commission.

3. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) 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 water quality data.

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

8. The well construction permit application and staff submittal approved by the Commission at its xxx meeting are incorporated into the permit by reference.

9. 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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

EXHIBIT 3
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. 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 30 gpm capacity, or less, pump in the well.

3. The permittee 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/an annual basis, on forms provided by the Commission (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 is 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 applicant shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Commission within thirty (30) days after completion of work.

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

7. The pump installation permit application and staff submittal approved by the Commission at its xxx meeting are incorporated into the permit by reference.

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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee 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 applicant must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

EXHIBIT 4
Mr. Adrian Almeida
53-674 Kamehameha Highway
Punalu'u, Hawaii 96717

Dear Mr. Almeida:

Pump Installation Permit
Almeida (Well No. 3755-09)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) which authorizes 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 10:

Special Conditions

1. No special conditions

The well owner is responsible for all conditions of the permit. This includes ensuring that the pump installation contractor, or other party who installs the pump, 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 $1000 per day for any violations of your permit conditions.

To validate your pump installation permit, 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. 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.

If you have any questions, please call the Commission staff at [Contact Information]

Aloha,

MICHAEL D. WILSON
Chairperson

Enclosures
AFTER-THE-FACT PUMP INSTALLATION PERMIT

Almeida Well, Well No. 3755-09

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 Almeida Well (Well No. 3755-09) at 55-178 Kamehameha Highway, Oahu, TMK 5-6-001: 020, 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 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 30 gpm capacity, or less, pump in the well.

3. The permittee 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 an annual 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 is 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 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 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 is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

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 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 must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

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

Date of Approval: August 14, 1997
Expiration Date: August 14, 1999

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: ____________________

Installer'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.

Attachments
USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Honolulu Department of Water Supply
Mr. Adrian Almeida
53-674 Kamehameha Highway
Punaluu, HI 96717

Dear Mr. Almeida:

Well Completion Report for Well No. 3755-09

We have received your Well Completion Report Part I for the Almeida Well (Well No. 3755-09) and acknowledge that it is complete.

If you have any questions, please contact Mr. Ryan Imata of the Commission staff at

Sincerely,

RAE M. LOUI
Deputy Director

RI:ss
The file we'll E-mail is "AAS1757.Prt". Water levels at the start and end were 17.08 ft (17.24 ft "real"), respectively. (Correction of raw data by 0.16" slip 2.35). My previous plot was prior to the survey and was for an assumed 16.00' head at the start.
Mr. Adrian Almeida
53-674 Kamehameha Highway
Punaluu, HI 96717

Dear Mr. Almeida:

Well Completion Report for Well No. 3755-09

We have received your Well Completion Report Parts I & II for the Almeida Well (Well No. 3755-09).

Matters which must be addressed before we accept Part I of your report as complete are as follows:

1. Please have your surveyor sign and date this portion of the Well Completion Report (attached), along with survey data documentation.

Condition 2 of your well construction permit, dated December 9, 1996, prohibits a permanent pump installation until a pump installation permit is approved and issued by the Commission. Your submission of a Well Completion Report Part II indicates that a permanent pump has been installed, which is a violation of your well construction permit. Therefore, we will not accept Part II of your Well Completion Report at this time.

Please respond to the above item(s) within thirty (30) days of this letter's date. Failure to do so may result in fines of up to $1000 per day.

If you have any questions, please contact Mr. Ryan Imata of the Commission staff at [redacted] or toll-free at [redacted] extension 70255.

Sincerely,

RAE M. LOUI
Deputy Director

RI:ss

c: Geolabs Hawaii
    Vincent's Plumbing
WELL CONSTRUCTION PERMIT

Almeida Well, Well No. 3755-09

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 Almeida Well (Well No. 3755-09) at 85-178 Kamehameha Highway, Oahu, TMK 1-5-001-020, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. 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 by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission 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 Commission.

3. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department's Historic Preservation Division immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) 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 water quality data.

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

8. The well construction permit application and staff submittal approved by the Commission at its December 9, 1996 meeting are incorporated into the permit by reference.

9. 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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: December 9, 1996
Expiration Date: December 9, 1998

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.

Applicant's Signature: Adrian Almeida
Printed Name: Adrian Almeida
Firm or Title:

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

Attachments
CC: USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Honolulu Board of Water Supply
Mr. Adrian Almeida
53-674 Kamehameha Highway
Punalu'u, Hawaii 96717

Dear Mr. Almeida:

Well Construction Permit
Almeida Well (Well No. 3755-09)

Enclosed are two (2) originals of your approved Well Construction Permit for the captioned well. As part of the Commission’s approval, the following special conditions were added and are part of your permit under Standard Permit Condition 11:

Special Conditions

1. No permanent monitor tube is required.
2. The long-term continuous test shall be at least 8 hours long.
3. The well should not be used for drinking water unless it is properly tested and treated.
4. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.

Additionally, the Commission authorized the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e, subject to the Standard Pump Installation Conditions which will be issued to you when we receive your aquifer pump test results and completed Well Construction Report (Part 1).

The well owner is responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well, submits a completed Part I of the Well Completion Report form (enclosed) and all required testing data within thirty (30) days after the well construction and pump test 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.

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

Also, copies of the aquifer pump test procedure and the well completion report form are enclosed for your use. Please provide copies of all the information in this packet to your well drilling contractor.

If you have any questions, please call Rae M. Loui, Deputy Director, at [number] or toll-free at 974-400 (Hawaii), [number] (Kauai), [number] (Maui), or [number] (Lanai & Molokai) extension, 70214.

Aloha,

[Signature]

MICHAEL D. WILSON
Chairperson

Enclosures
WELL CONSTRUCTION PERMIT

Almeida Well, Well No. 3755-09

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 Almeida Well (Well No. 3755-09) at 55-178 Kamehameha Highway, Oahu, TMK 1-5-5-001-020, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. 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 by this permit commences.

2. The well construction permit shall be for construction and testing of the well only. A minimum one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission 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 Commission.

3. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department’s Historic Preservation Division immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) 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 water quality data.

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

8. The well construction permit application and staff submittal approved by the Commission at its December 9, 1996 meeting are incorporated into the permit by reference.

9. 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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

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

Date of Approval: December 9, 1996  
Expiration Date: December 9, 1998

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.

Applicant’s Signature: ___________________________  Date: __________

Printed Name: ___________________________  Firm or Title: ___________________________

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

Attachments
cc: USGS  
Department of Health/ Safe Drinking Water & Wastewater Branches  
Honolulu Board of Water Supply
APPLICANT: Adrian Almeida  
53-674 Kamehameha Highway  
Punalu'u, Oahu, HI  96717

LANDOWNER: Same

DESCRIPTION:
Location: (See Exhibit 1)  
Dimensions: (See Exhibit 2)

BACKGROUND:
The application was accepted as complete on September 26, 1996.

WATER AVAILABILITY:
Koolauloa Aquifer System of the Windward Sector  
Estimated Sustainable Yield: 35 mgd  
Current Aquifer System Pumpage (12-MAV as of 5/96): 9.912 mgd  
Proposed Use: 9.912 mgd., domestic

ISSUES/ANALYSIS:
Agency Review: Copies of the application were sent to the Department of Health's Safe Drinking Water and Wastewater Branches. Additionally, notice of the application was published in the October 1996 bulletin. No comments or concerns were indicated.
Staff Submittal

December 9, 1996

Staff Review: There are twenty (20) other wells within a mile of the proposed well. Of these, only three (3) are currently being used. No adverse impacts to water resources are anticipated from the drilling activity. Results of the standard pump test should provide information to assess pumpage impacts to these other wells. Because the use is for individual domestic needs and no other use, the applicant does not need a water use permit. This is in accordance with §13-171-11(a), which states that "no permit shall be required for domestic consumption of water by individual users".

RECOMMENDATION:

A. That the Commission approve the issuance of a well construction permit for Almeida Well (Well No. 3755-09), subject to the standard conditions in Exhibit 3, and the following special conditions:
   1. No permanent monitor tube is required.
   2. The long-term continuous test shall be at least 8 hours long.
   3. The well should not be used for drinking water unless it is properly tested and treated.
   4. If potable water is used to supply both domestic and irrigation purposes in a single system, the permittee 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.

B. That the Commission authorize the Chairperson to approve and issue a pump installation permit supported by information provided from aquifer pumping test results, required in Well Construction Standard Condition 6e (Exhibit 3), subject to the Standard Pump Installation Conditions in Exhibit 4.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Exhibit(s):
1. (Location Map)
2. (Proposed Well Section)
3. (Water Use Permit Index)
4. (Standard Well Construction Permit Conditions)
5. (Standard Pump Installation Permit Conditions)
6. (Well Completion Report Form)
7. (Pump Test Procedures)
8. (Water Use Report Form)

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
Elevation at top of casing 14:4 ft, msl.

130'
Cement Grout 100 ft.

Rock Packing 30.5 ft.

Hole Diameter: 5 in.

Total Depth 150 ft.

Ground Elevation: 30 ft., msl.

Solid Casing:
- Material: Scl. 40 STW-1
- Length: 130 ft.
- Diameter: 4 in.
- Wall thickness: 1/4 in.

Casing: [ ] Perforated [ ] Screen
- Material
- Length
- Diameter
- Wall thickness
- Openings sq. in./L.F.

Open Hole:
- Length 20 ft.
- Diameter 2 7/8 in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.

EXHIBIT 2
### Water Use Permit Index

**ND OF OAHU**

**Aquifer System:** KOOLAULOA  
**Sustainable Yield:** 35 mgd  

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Statewide there are 47 WUP Totalling 17.233

EXHIBIT 3
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. 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 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 one-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The permittee shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure (attached). The permittee shall submit to the Commission 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 Commission.

3. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

4. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and contact the Department’s Historic Preservation Division immediately.

5. 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.

6. The following shall be submitted to the Commission within thirty (30) 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 water quality data.

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

8. The well construction permit application and staff submittal approved by the Commission at its December 9, 1996 meeting are incorporated into the permit by reference.

9. 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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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

EXHIBIT 4
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. 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 30 gpm capacity, or less, pump in the well.

3. The permittee 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 an annual basis, on forms provided by the Commission (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 is 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 applicant shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Commission within thirty (30) days after completion of work.

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

7. The pump installation permit application and staff submittal approved by the Commission at its December 9, 1996 meeting are incorporated into the permit by reference.

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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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EXHIBIT 5
Mr. Adrian Almeida  
53-674 Kamehameha Highway  
Punalu'u, HI 96717  

Dear Mr. Almeida:

Please find attached for your reference a copy of the letter we had received from the Department of Health regarding the Almeida Well Construction/Pump Installation Permit Application. For your information, we will be taking your application to the Commission on December 9, 1996 and we are recommending approval.

Please feel free to contact Mr. Ryan Imata at [redacted] should you have any questions or concerns.

Sincerely,

RAE M. LOUI  
Deputy Director

RI:ss  
Attachment
November 29, 1996

Mr. Adrian Almeida
53-674 Kamehameha Highway
Punalu'u, HI 96717

Dear Mr. Almeida:

Please find attached for your reference a copy of the letter we had received from the Department of Health regarding the Almeida Well Construction Pump Installation Permit Application. For your information, we will be taking your application to the Commission on December 9, 1996 and we are recommending approval.

Please feel free to contact Mr. Ryan Imata at 887-0255 should you have any questions or concerns.

Sincerely,

RAE M. LOUI
Deputy Director

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Attachment
Copy of letter transmitted on Oct 24, 96 regarding 5-5-120 Almeida Well 3755-09

Sorry - misplaced - original on its way.
October 24, 1996

To: Lenore Nakama, Staff
Commission on Water Resources Management

From: Dennis Tulang, Chief
Wastewater Branch

Subject: Well Construction Permit Application for
Almeida Well (Well No. 3755-09)
TMK: (1) 5-5-01: 20

We have reviewed the well construction permit application for
Well No. 3755-09 submitted by your office. Our records show an
individual wastewater system (IWS) - septic tank on the
same property. Although we have no Administrative Rules
regarding the placement of potable water wells near an onsite
wastewater system, we do recommend that they be kept as far away
from each other as possible. The well should be protected from
contamination from this wastewater source and water quality
checked periodically. Please find attached our "IWS Data Profile
- County of Oahu" database worksheet stating the existence of an
IWS on the property.

For details, please call Mr. Johnny Ong, Planning/Design Section
Engineer of the Wastewater Branch at telephone Please refer to IWS File # 179.

LK: bhm

Attachments: IWS Data Profile - County of Oahu, File 179
FACSIMILE TRANSMITTAL PAGE

Please deliver the following pages:

To ____________________________
Company ________________________
From ____________________________
Message: _________________________

Total number of pages (including Transmittal Page) 6
Please call back if not legible: (808) ____________
Sending Facsimile No.: (808) ____________
Receiving Facsimile No.: (808) ____________
Mr. Adrian Almeida  
53-674 Kamehameha Highway  
Punaluu, HI  96717  

Dear Mr. Almeida:  

Well Construction and Pump Installation Permit Application for Well No. 3755-09  

We acknowledge receipt, on September 12, 1996, of your well construction and pump installation permit application for the Almeida Well (Well No. 3755-09). However, we understand that your ownership of the parcel in the application was not recorded with the Bureau of Conveyances Office until September 26, 1996. Therefore, we accept your application as complete on the September 26, 1996 date. You can expect your application to be processed within ninety (90) days from this date. 

If you have any questions about your permit application, please contact Roy Hardy of the Commission staff at 587-0274. 

Sincerely,  

RAE M. LOUI  
Deputy Director  

RH:ss
TO: Honorable Lawrence Miike, Director  
   Department of Health  
   Attention: Dennis Tulang, Wastewater Branch  
   William Wong, Safe Drinking Water Branch

FROM: Michael D. Wilson, Chairperson  
   Commission on Water Resources Management

SUBJECT: Well Construction Permit Application  
   Almeida Well (Well No. 3755-09)

Transmitted for your review and comment is a copy of the captioned well 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 October 18, 1996.

Please find a map, attached, to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Roy Hardy of the Commission staff at [contact information]

RH:ss  
Attachment(s)

RESPONSE: ( ) We have no comments  
( ) Comments attached

Contact Person: Melvin J. Hamano  
Phone: [contact information]

Signed: Melvin J. Hamano  
Date: Oct 14, 1996
TO: Honorable Lawrence Miike, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  

FROM: Michael D. Wilson, Chairperson  
Commission on Water Resources Management  

SUBJECT: Well Construction Permit Application  
Almeida Well (Well No. 3755-09)  

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RH:ss  
Attachment(s)  

RESPONSE: ( ) We have no comments  
( ) Comments attached

Contact Person: _______________________________ Phone: _________________

Signed: _______________________________ Date: _______________
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**TOTAL** $25.00

**REMARKS:**

LINE (1) Well No. 3755-09 (WCPA/PIPA)
LINE (2)
LINE (3)
LINE (4)

---

ADRIAN A. ALMEIDA
NADINE ALMEIDA
53-674 KAM HIGHWAY
PUNALU‘U, HI 96717

First Hawaiian Bank
KAPIOLANI BOULEVARD BRANCH
1580 KAPIOLANI BOULEVARD
HONOLULU, HAWAII 96814

Date 9/12/96

Pay Dept. of Land and Natural Resources $25.00

First Hawaiian Bank

[Signature]

[Stamp: 2040]
APPLICATION FOR PERMIT

Well Construction or Pump Installation

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax:
   (a) WELL OWNER
      FirmName: Alminda Almida
      Contact Person: Adrian
      Address: 53-674 Kain Hwy
      Punalu'u HZ 96717
   (b) LANDOWNER
      FirmName: SA
      Contact Person: S
      Address: C
   (c) CONTRACTOR
      FirmName: To be selected
      Contractor's C-57 License No.: __________
      Contact Person: 
      Address: 

2. WELL LOCATION NAME:
   Almida Island: Oahu
   Address: 53-678 Kamuela Hwy Hilo HZ
   Tax Map Key: 1-5-5-601-020
   (Attach a USGS map, scale 1"=2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
   - Drill New Well
   - Modify Existing Well
   - Install New Pump
   - Modify Pump
   - Abandon/Seal
   - Replace Pump
   (b) WELL TYPE:
      - Drilled
      - Bored
      - Driven
      - Radial
      Is this well a part of a battery of wells? Yes / No
      (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 30 gallons per minute
   - Deep Well Turbine
   - Rotary
   - Submersible
   - Rotary-Displacement
   - Reciprocating
   - Centrifugal
   - Rotary Gear
   - Impulse
   Motor:
   - Diesel
   - Gas
   If Pump Replacement, Existing Pump Capacity: __________ gallons per minute

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Domestic (individual, noncommercial water sys.)
   - Irrigation (crop)
   - Military
   - Industrial
   - Other (explain)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 500 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      - Flow-meter
      - Open-pipe
      - Orifice Plate
      - Weir

7. PENDING ACTIONS:
   - CDA
   - SIA
   - EIS
   - EA
   Completion Date: __________

8. REMARKS, EXPLANATIONS:
   __________
   (If more space is needed, continue on back)

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.

Well Owner
Signature: Alminda Almida
Date: 9/11/94

Landowner
Signature: Alminda Almida
Date: 9/11/94

Contractor
Signature: 
Date: 

For Official Use Only:
Date Received: __________
Field Checked By: 
Date: __________
Latitude: __________
Longitude: __________
Aquifer System Name: Kona
State Well No. 29601

110/95 WCPM Form
8. Remarks, Explanations (cont'd): ___________________________ 

9. PROPOSED WELL SECTION

Elevation at top of casing
130 ft., m.s.l.

d_ ft.

Ground Elevation: 20 ft., m.s.l.

Solid Casing:
Material 
Length 130 ft.
Diameter 4 in.
Wall thickness 1/4 in.

Casing: □ Perforated □ Screen
Material 
Length 
Diameter 
Wall thickness
Openings sq. in. A.F.

Open Hole:
Length 2.0 ft.
Diameter 5 7/8 in.

"Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports."