**CHECKLIST**

**WELL CONSTRUCTION PERMIT**

**WELL NAME or LOCATION:** Keauhou-Kamehameha Corp.  
**ISLAND:** Hawaii  
**WELL NUMBER:** 3355-02,03

---

**OWNER/OPERATOR:**  
**Firm Name:** Kam. Invest Corp.  
**Contact Person:** Wallace Terrell  
**Address:** P.O. Box 459  
**Address:** Honolulu, HI 96809  
**Phone:** 521-1408

---

**LANDOWNER:**  
**Firm Name:** Bernie Banyan Bishop Estate  
**Contact Person:** Sydney Keliipuleole  
**Address:** P.O. Box 3466  
**Address:** Honolulu, HI 96813  
**Phone:** 523-6200

---

**Date application received:** 9-5-90  
**Date acknowledged receipt/request more info:** 9-20-90  
**Date application accepted:** 9-20-90  
**Suspense date (90 days):**  
**Date filing fee deposited:**

Application sent to following:

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<tr>
<td>Dept. of Hawn Home Lands</td>
<td>10-4-90</td>
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<tr>
<td>Dept/Bd of Water Supply</td>
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<td>10-11-90</td>
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<td>10-1-90</td>
<td>10-10-90</td>
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<td>Dept. Pub. Wrks (Hawaii)</td>
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<td>Office of Hawaiian Affairs</td>
<td>10-4-90</td>
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**Date agenda due:**  
**Date submittal due:**  
**Date submittal sent to applicant:**

**Date application approved or disapproved:**  
**Date applicant notified of decision:**

**REMARKS:**
CHECKLIST

☑ WELL CONSTRUCTION PERMIT

___ PUMP INSTALLATION PERMIT

**WELL NAME or LOCATION:** Kea'au - Kamehameha Inv Corp. Well

**WELL NUMBER:** 3355-01

**OWNER or OPERATOR:** Kamehameha Investment Corp.

**ADDRESS:** P.O. Box 459
Honolulu, HI 96809

**TELEPHONE (contact person):** Wallace Tirrell 521-1408

- **Date application received:** 3-30-90
- **Date application accepted:**
- **Suspense date (90 days):**
- **Date filing fee deposited:** 4-11-90

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<td>5-16-90</td>
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<td>County water board/dep</td>
<td>4-16-90</td>
<td>4-30-90</td>
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<td>5-3-90</td>
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<td>HIST PHR</td>
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<td>OHA</td>
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- **Date agenda due:**
- **Date submittal due:**
- **Date submittal sent to applicant:**
- **Date application approved or disapproved:** 6-27-90
- **Date applicant notified of decision:** 7-16-90

**REMARKS:**

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
DATE 11/5/98   TIME 8:05 a.m.

WHILE YOU WERE OUT

Tom Nance

M GUY LATH (E.R.A.A.C.)

Phone 539-1416

<table>
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<tr>
<th>TELEPHONED</th>
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<td>WILL CALL AGAIN</td>
</tr>
<tr>
<td>WANTS TO SEE YOU</td>
<td>URGENT</td>
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MESSAGE

4 brochures for.
S.P.  exit 27 P.I.

I.S.

Operator
Mr. Walter Kriewald, President
Keauhou Kona Surf and Racquet Club
76-6216 Halehau
Kailua-Kona, Hawaii 96740

Dear Mr. Kriewald:

Keauhou Wells (State Well Nos. 3355-01, 3355-02, 3355-03 and 3456-01)

Thank you for your letter dated March 6, 1998. The wells in question were approved in 1990. Attached is a printout showing the names and numbers of the wells, as well as the approval dates.

If you have any questions, please contact Mr. Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

EDWIN T. SAKODA
Acting Deputy Director

RI:ss
Attachment
<table>
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<tr>
<th>FROM:</th>
<th>Ed</th>
<th>DATE:</th>
<th>3/11/98</th>
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<td>INIT.</td>
<td>TO:</td>
<td>INIT.</td>
<td>FOR:</td>
</tr>
<tr>
<td>BAUER, G.</td>
<td></td>
<td>KUNIMURA, I.</td>
<td></td>
<td>2 Approval</td>
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<tr>
<td>CHING, F.</td>
<td></td>
<td>NAKAMA, L.</td>
<td></td>
<td>4 Signature</td>
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<tr>
<td>FUJII, N.</td>
<td></td>
<td>NAKANO, D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HARDY, R.</td>
<td>√</td>
<td>ORYE, M.</td>
<td></td>
<td></td>
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<tr>
<td>HIGA, D.</td>
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<td>SAKODA, E.</td>
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<td></td>
<td>SUBIA, S.</td>
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<tr>
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<td></td>
<td>SWANSON, S.</td>
<td></td>
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</tr>
<tr>
<td>IMATA, R.</td>
<td></td>
<td>UWaine, J.</td>
<td></td>
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<tr>
<td>JINNAI, R.</td>
<td></td>
<td>YODA, K.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approved at CWRM public hearings back in '90.
Hiram Young
Department of Land And Natural Resources
1151 Punchbowl St. Honolulu, HI. 96813

Dear Mr. Young:

I am writing to you out of curiosity. I recently learned that Bishop Estate or Kamehameha Investment Corp., has drilled water wells in Keauhou Mauka on the Big Island and was wondering if the D.L. N.R. is aware of this or authorized it. I know my deed conveys all rights of this kind to the state and I was not aware of any hearings on these wells. I would appreciate an answer as a hearing is scheduled in two weeks on rezoning an adjacent area.

Sincerely,

Walter Kriewald
808 326-9407
President
Keauhou Kona Surf and Racquet Club
Treasurer
Keauhou Master Homeowners Association
Ms. Rae Loui  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809  

Dear Ms. Loui:

Corrected TMK for Well 3355-02 in North Kona, Hawaii

Well 3355-02 was recently completed by KKRC Water Source Development, J.V. In the process of preparing the Well Completion Report, the drilling contractor discovered that I had made an error on the TMK of the well site in the drilling permit application. The correct location is shown on the enclosed drawing. The correct TMK is 7-8-04:75, not 7-8-04:15 as shown in the permit application. Bishop Estate is the landowner of both of these parcels.

A survey is currently being done for Kamehameha Investment Corporation, the well owner, to locate the wells exactly. When this survey is completed, a copy will be submitted to you. I apologize for any inconvenience this may have caused.

Sincerely,

[Signature]

Tom Nance

cc: Thea - KKRC Water Source Development, J.V.  
    Joe Spencer - Kamehameha Inv. Corp.

Enclosure
TO: DIVISION OF WATER & LAND DEV. DATE: 1-25-93
PO Box 373
Hilo, HI 96809

JOB NAME: Corporation Well #2
JOB LOCATION: Keauhou Mauka

RE: Well Completion Report

ATTN: ______________________

WE ARE SENDING YOU HEREWITH XX
UNDER SEPARATE COVER ______
THE FOLLOWING ITEMS:

____ Plans ______ Shop Drawings ______ Purchase Order
____ Specifications ____ Samples ______ Copy of Letter
____ Change Order XX Other Well Completion Report & As-built drawing,
Chloride content.

THESE ARE TRANSMITTED AS CHECKED BELOW:

____ For Approval ______ Approved as Submitted
XX For Your Use ______ Approved as Noted
____ As Requested ______ Returned for Corrections
____ For Review & Comment ____ Other ______________________

REMARKS: __________________________________________________

_________________________________________________________________

_________________________________________________________________

COPY TO: Joe Spencer, Kamehameha Investment Corporation

SIGNED: Thea Brown
Project Secretary

P.O. Box 5685 • Kailua-Kona, Hawaii 96745-5685 • Telephone (808) 324-1420 • Fax (808) 322-9497
KKRC High-Level Well 2
(3355-025)
WELL COMPLETION REPORT

INSTRUCTIONS: Please print or type and submit completed report within 15 days of well completion to the Division of Water & Land Development, P.O. Box 313, Honolulu, HI 96809. An as-built drawing of the well and chemical analysis, if available, should also be submitted. If necessary, phone 948-1541. Hydrology, Geology Section for assistance.

A. STATE WELL NO. 3355-02
B. LOCATION KEAOU-KAMEHAMEHA INVESTMENT CORPORATION WELL #2 3 ISLAND HAWAII
C. WELL OWNER KEAOU-MAKUA
D. DRILLING OR PUMP INSTALLATION CONTRACTOR TROCK WATER SOURCE DEVELOPMENT, J.V.
E. TYPE OF RIG NATIONAL T-32
F. DATE OF WELL COMPLETION 12-14-92
G. GROUND ELEVATION (mal) 1,658 ft.
H. TOTAL DEPTH OF WELL BELOW GROUND 1,658 ft.
I. HOLE SIZE: 24 inch dia. from 0 ft. to 1658 ft. below ground
J. CASING INSTALLED: 18 in. I.D. x .375 in. wall solid section to 1260 ft. below ground
K. ANNULUS: Grouted from 600 ft. to surface ft. below ground
L. PERMANENT PUMP INSTALLATION: Pump type, make, serial No. N/A
M. PROPOSED USE Municipal

O. INITIAL WATER LEVEL 1272 ft. below ground. Date and time of measurement 7-13-92 9:00 AM
P. INITIAL CHLORIDE 5.0 ppm. Date and time of sampling 12-9-92 1:00 PM
Q. PUMPING TESTS: Reference point (R.P.) used: water which elevation is 1272 ft.

<table>
<thead>
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<th>Depth of well</th>
<th>Rate (gpm)</th>
<th>Draw down (ft.)</th>
<th>Cl. (ppm)</th>
<th>Temp.</th>
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<td>385-600</td>
<td>to</td>
<td>See attached</td>
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<tr>
<td>6.3</td>
<td>to</td>
<td>graph</td>
<td>to</td>
<td>to</td>
</tr>
<tr>
<td>3.9</td>
<td>to</td>
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<td>to</td>
<td>to</td>
</tr>
<tr>
<td>Start water level</td>
<td>ft. below R. P.</td>
<td>End water level</td>
<td>ft. below R. P.</td>
<td>Depth of well</td>
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Q. DRILLER’S LOG:

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<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level, ft.</th>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level, ft.</th>
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<td>to</td>
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O. REMARKS:

SubJECTED (Print) C. Dale Stromquist, TROCK WATER SOURCE DEVELOPMENT, J.V.

Title Partner

Signature Date 1/5/98
KKRC WATER SOURCE DEVELOPMENT, J.V.

KEAUHOU-KAMEHAMEHA INVESTMENT CORPORATION WELL #2

STATE WELL NO. 3355-02

PUMP TEST

CHLORIDE CONTENT

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<tr>
<td>12-14-92</td>
<td>7:55am</td>
<td>5.0</td>
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</table>
CEMENT CROWN - 600'

24" BOREHOLE

CEMENT BASKETS (DOUBLE)

1200' SOLID CASING

CASING CUTTERS (50' O.C. BELOW CEMENT BASKET TO BOTTOM OF THE CASING)

18'(ID), 3/8" WALL THICKNESS SOLID CASING

WATER DEPTH = 1272'

12' ELEV + 398'

STATIC WATER @ +386'

18"(ID), 3/16" WALL THICKNESS LOWER-TYPE WELL SCREEN

CASING SHOE

DEPTH TO BOTTOM = 1658'

ELEV +18

ELEV = 0.0'

AS-BUILT DRAWING

KEAHOU-KAMEHAMEHA INVESTMENT CORPORATION WELL #2

STATE WELL NO. 3355-02
Keauhou-Kamehameha Invest. Corp. Wells
(Well Nos. 3355-02, 03)
ISLAND OF HAWAII
WELL CONSTRUCTION PERMIT

for

Keauhou-Kamehameha Investment Corp. Well 2
Well No. 3355-02
Keauhou, Hawaii

TO: Kamehameha Investment Corp.
P.O. Box 459
Honolulu, HI 96809

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct and test Keauhou-Kamehameha Investment Corp. Well 2 (Well No. 3355-02) within Tax Map Key: 7-8-04:15, for municipal use, is approved subject to the following conditions:

1. The Division of Water Resource Management (DWRM), P.O. Box 373, Honolulu, Hawaii 96809, shall be notified, in writing, of the date of initiation of any work covered by this permit.

2. The permit shall be for construction and testing only. No permanent pump may be installed and no water used from the well without the necessary pump installation permit from the Commission.

3. The proposed use shall not adversely affect existing legal uses in the area.

4. The following shall be submitted to DWRM, within 30 days after completion of the well:

   a. Well Completion Report.

   b. Elevation (referenced to mean sea level) 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 record, including time, pumping rate, drawdown, chloride content, and water quality data.

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 the date of issuance or if work is suspended or abandoned for six months. The work shall be completed within two years of the date of issuance.

WILLIAM W. PATY, Chairperson
Commission on Water Resource Management

DEC 5 1990
Date of Issuance

cc: USGS
Department of Health
   Drinking Water Branch
   Ground Water Protection Program
Hawaii Department of Water Supply
FACSIMILE TRANSMITTAL PAGE

Please deliver the following pages to:

Name: Wallace Tirrell
Company: Kamehameha Investment Corp.
From: Ed Satoda
Date: 11-8-90 Time: 9:35 am
Message: Agenda # Item 6

Total number of pages (including Transmittal Page): 5

If you do not receive all of the pages legibly, please call back: (808) 548-7643

Sending Facsimile Number: (808) 548-6022
Receiving Facsimile Number: ( ) 597-3952

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **
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*** SEND ***

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TOTAL 0:02'48" 5  XEROX TELECOPIER 7020
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kamehameha Investment Corp.
Application for Well Construction Permits
Keauhou-Kamehameha Investment Corp. Wells, Keauhou, Hawaii

Applicant: Kamehameha Investment Corp.
P.O. Box 459
Honolulu, Hawaii 96809

Landowner: Bernice Pauahi Bishop Estate
P.O. Box 3466
Honolulu, Hawaii 96813

Action Requested: Permission to construct and test two 18-inch diameter, 1660 ft. deep wells (Well Nos. 3355-02, 03) at Keauhou, for municipal use.

Well Location: The proposed well site is at Tax Map Key: 7-8-04:15 (see attached map).

Proposed Amount of Use: 1,500,000 gallons per day of potable water.

Well Description:

Ground elevation: 1620+ ft.
Casing diameter: 18-inches
Solid casing depth: 1370 ft.
Perforated casing depth: 1620 ft.
Open Hole: 40 ft.
Total depth: 1660 ft.
Grouted Annulus: 0-600 ft.

Agency Review: The application has been sent to the State Departments of Health and Hawaiian Home Lands, the Office of Hawaiian Affairs, and the Hawaii Departments of Water Supply and Public Works for review. There have been no objections to the project.

Analysis: The wells are expected to develop potable water from a fresh basal aquifer. No immediate adverse impacts are expected although there may be long-term effects depending on the amount of use in the area.

Water Availability: The wells are located in the Hualalai Sector, Keauhou System of Hawaii. Sustainable yield is estimated at 38 mgd.

RECOMMENDATION:

That the Commission approve the issuance of well construction permits for Keauhou-Kamehameha Investment Corp. Wells, subject to the following conditions:

ITEM 6
Chairperson and Members
Commission on Water Resource Management
November 14, 1990

(1) The Division of Water Resource Management (DWRM) shall be notified before work commences.

(2) The permits shall be for construction and testing only. No permanent pumps may be installed and no water used from the wells without the necessary pump installation permits from the Commission.

(3) The proposed use shall not adversely affect existing legal uses in the area.

(4) The following shall be submitted to DWRM within 30 days after completion of the wells:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawings of the wells.
   d. Plot plan and map showing the exact locations of the wells.
   e. Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

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

(6) The permits may be revoked if work is not started within six months of the date of issuance or if work is suspended or abandoned for six months. The work shall be completed within two years of the date of issuance.

Respectfully submitted,

[Signature]
MANABU TAGOMORI
Deputy Director

APPROVAL FOR SUBMITTAL:

/s/ WILLIAM W. PATY

WILLIAM W. PATY, Chairperson
November 7, 1990

Kamehameha Investment Corp.
P.O. Box 459
Honolulu, Hawaii 96809

Dear Applicant:

The Commission on Water Resource Management will be acting on your permit application. Please refer to the enclosed agenda for more details.

You or your representative are invited to attend the meeting.

If there are any questions, please call Ed Sakoda at 548-7543.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:ko

Encl.
October 26, 1990

William W. Paty, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Paty,

Well Construction Application
Kanahena, Keauhou, Moloaa, Waipio Wells
Puako, So.Kohala, Hawaii
Milolii Dug Well, Papa Bay, Hawaii

Thank you for the opportunity to comment on the following permit applications:

Kanahena-Ernisse Well (3726-04)
Keauhou-Kamehameha Investment Corp. Wells (3355-02,03)
Moloaa-Luellen Wells (1120-08, 09)
Waipio Heights Wells (2459-23, 24)
Puako Wells 1 to 3 (5648-02, 03, 5549-01)
Milolii Dug Well (1254-01).

These wells have no impact on Hawaiian Home Lands; we have no comment.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
October 24, 1990

The Honorable William W. Paty, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Paty:

SUBJECT: WELL CONSTRUCTION PERMIT APPLICATION
KEAOUHOU-KAMEHAMEHA INVESTMENT CORPORATION WELLS
STATE WELL NOS. 3355-02 AND -03
KEAOUHOU, HAWAI

Thank you for the opportunity to review the subject document. We have reviewed the application and have the following comments to offer:

1. The permit application indicates that both wells will be for municipal (including hotels, stores, etc.) use. If the wells are to serve 25 or more individuals at least 60 days per year or will have a minimum of 15 service connections, the applicant will be required to comply with the Department’s Administrative Rules, Title 11, Chapter 20, "Potable Water Systems."

2. Section 11-20-29 of Chapter 20 requires that a new source of potable water serving a public water system be approved by the Director of Health prior to its use. Such an approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.

3. Both of the proposed wells are situated above the Underground Injection Control (UIC) line. Land areas above the UIC line are considered to contain underground sources of drinking water. Thus, it is essential that each well be designed and constructed to prevent the possibility of groundwater contamination. For example, each well should have a concrete well pad and full grouting to prevent seepage or floodwaters from migrating down the well shaft.
The Honorable William W. Paty
Page 2
October 24, 1990

If you should have any questions, please contact the Safe Drinking Water Branch at 543-8258.

Very truly yours,

JOHN C. LEWIN, M.D.
Director of Health

cc: Wallace Tirrell
Kamehameha Investment Corporation
P.O. Box 459
Honolulu, HI 96809
October 5, 1990

Mr. Manabu Tagomori, Deputy Director
State Department of Land and Natural Resources
Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

WELL CONSTRUCTION PERMIT APPLICATIONS
KEAOUHOU-KAMEHAMEHA INVESTMENT CORPORATION (WELL NOS 3355-02, 03)

We have no objections to the subject permit application.

H. William Sewake
Manager
GK
October 4, 1990

MR MANABU TAGOMORI  
DEPUTY DIRECTOR  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P O BOX 621  
HONOLULU HI  96809

SUBJECT: WELL CONSTRUCTION PERMIT APPLICATION  
Keauhou-Kamehameha Investment Corp.  
Well Nos. 3355-02, 03  
Keauhou, N. Kona, Hawaii  
TMK: 7-8-04:15

We have reviewed the subject permit application and have no objections to the proposed well being constructed.

ROBERT K. MANABU, Division Chief  
Engineering Division  
CKY:1b
Honorable John C. Lewin, M.D.
Director
Department of Health
State of Hawaii
1250 Punchbowl Street
Honolulu, Hawaii 96813

Attn. Mr. Thomas Arizumi, Drinking Water Branch

Dear Dr. Lewin:

Well Construction Permit Applications

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168-12(c), we are sending you a copy of the following permit applications for your review:

Kanahena-Ernisse Well (Well No. 3726-04)
Keauhou-Kamehameha Investment Corp. Wells (Well Nos. 3355-02, 03)
Moloaa-Luellen Wells (Well Nos. 1120-08, 09)
Waipio Heights Wells I (Well Nos. 2459-23, 24)

Please submit your comments to us, orally or in writing, by October 22, 1990.

If you have any questions, contact Manabu Tagomori at 548-7533.

Very truly yours,

WILLIAM W. PATY

Encl.
Honorable Hoaliku L. Drake
Director
Department of Hawaiian Home Lands
State of Hawaii
P.O. Box 1879
Honolulu, Hawaii 96805

Dear Mrs. Drake:

Well Construction Permit Applications

We are sending you a copy of the following permit applications and ask that your staff review them to determine if Hawaiian Home Lands may be affected:

Kanahena-Ernisse Well (Well No. 3726-04)
Keauhou-Kamehameha Investment Corp. Wells (Well Nos. 3355-02, 03)
Moloaa-Luellen Wells (Well Nos. 1120-08, 09)
Waipio Heights Wells I (Well Nos. 2459-23, 24)

Please submit your comments to us, orally or in writing, by October 22, 1990.

If you have any questions, call Manabu Tagomori at 548-7533.

Very truly yours,

WILLIAM W. PATY

Encl.
Mr. Thomas K. Kaulukukui Sr.
Chairman & Trustee-At-Large
Office of Hawaiian Affairs
1600 Kapiolani Blvd., Suite 1500
Honolulu, Hawaii 96814

Attn: Ms. Linda Delaney, Land & Natural Resources Division

Dear Mr. Kaulukukui:

We are sending you a copy of the following permit applications and ask that your staff review them to determine if Ceded Lands may be affected:

- Kanahena-Ernisse Well Well No. 3726-04)
- Keauhou-Kamehameha Investment Corp. (Well Nos. 3355-02, 03)
- Moloaa-Luellen Wells (Well Nos. 1120-08, 09)
- Waipio Heights Wells I (Well Nos. 2459-23, 24)

Please submit your comments to us, orally or in writing, by October 22, 1990.

If you have any questions, contact Manabu Tagomori at 548-7533.

Very truly yours,

[Signature]

WILLIAM W. PATY

Encl.
Mr. Bruce C. McClure  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Mr. McClure:

Well Construction Permit Applications

We are sending you a copy of the following permit applications for your review:

Keahou-Kamehameha Invest. Corp. (Well Nos. 3355-02, 03)

Please submit your comments to us, orally or in writing, by October 12, 1990.

If you have any questions, contact Ed Sakoda at 548-7543.

Sincerely,

MANABU TAGOMORI  
Deputy Director

ES:bm  
Enc.
Mr. H. William Sewake, Manager  
Department of Water Supply  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii  96720  

Dear Mr. Sewake:

Well Construction Permit Applications

We are sending you a copy of the following permit applications for your review:

Keahou-Kamehameha Investment Corp. (Well Nos. 3355-02, 03)

Please submit your comments to us, orally or in writing, by October 22, 1990.

If you have any questions, contact Ed Sakoda at 548-7543.

Sincerely,

Handwritten Signature

MANABU TAGOMORI  
Deputy Director

ES:bm  
Enc.
Kamehameha Investment Corp.
P.O. Box 459
Honolulu, HI 96809

Dear Applicant:

We have received your applications and filing fees to construct and test Keauhou-Kamehameha Investment Corp. Wells (Well Nos. 3355-02, 03) at TMK: 7-8-04: 15, Keauhou, Hawaii. We are reviewing your applications for completeness and will contact you if we need more information.

Please call Ed Sakoda at 548-7543 if you have any questions.

Sincerely,

[Signature]

MANABU TAGOMORI
Deputy Director

ES: mh
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
Division of Water Resource Management

APPLICATION FOR

**WELL CONSTRUCTION PERMIT**

**PUMP INSTALLATION PERMIT**

**INSTRUCTIONS:** Please print or type and send completed application with attachments to the Division of Water and Land Development, P.O. Box 371, Honolulu, Hawaii 96806. Application must be accompanied by a non-refundable filing fee of $15.00 payable to the Department of Land and Natural Resources. (Filing fee waived for government agencies.) If necessary, phone 348-1742. Hydrology/Geology Section for assistance.

1. **WELL LOCATION**
   - Island: Hawaii
   - Tax Map Key: 7-8-04:15
   - Address: (no address available)
   - (Attach a USGS map (scale 1"=2000') and property tax map showing well location referenced to established property boundaries.)

2. **WELL OWNER**
   - Firm Name: Kamehameha Investment Corp.
   - Contact Person: Wallace Tirrell
   - Address: P.O. Box 459, Honolulu, Hawaii 96809
   - Phone: 521-1408

   **LANDOWNER**
   - Firm Name: Bernice Pauahi Bishop Estate
   - Contact Person: Sydney Keliipuleole
   - Address: P.O. Box 3466, Honolulu, Hawaii 96813
   - Phone: 523-6200

3. **PROPOSED CONTRACTOR FOR:**
   - **Well Drilling**
   - **Pump Installation**
   - Name: Keauhou Kona Resort Company
   - Address: P.O. Box 5685, Kailua-Kona, Hawaii 96745
   - Phone: 322-2708
   - Contractor's License No.: C-15937

4. **PROPOSED WORK**
   - Drill New Well
   - Deepen
   - Alter
   - Seal
   - Install New Pump
   - Replace Pump
   - Redrill
   - Abandon
   - Modify Pump
   - (Briefly describe the proposed work and fill in the diagram on the back of this form.)

5. **PROPOSED USE**
   - Municipal (including hotels, stores, etc.)
   - Military
   - Domestic (individual, noncommercial water systems)
   - Irrigation (specify)
   - Industrial
   - Other (specify)

6. **PROPOSED AMOUNT OF WITHDRAWAL**
   - 1,500,000 gallons per day

7. **PROPOSED PUMP INFORMATION**
   - Pump Type: Vertical Turbine
   - Submersible
   - Centrifugal
   - Motor: Diesel
   - Gas
   - Electric: 500
   - Rated Horsepower
   - Rated Pump Capacity: 1050 gallons per minute (gpm)

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**Well Owner (print):** Kamehameha Investment Corp.

**Landowner (print):** B. P. Bishop Estate

**Signature:***

**Date:** 8-27-80

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For Official Use Only:

**Field Checked By:***

**Latitude:**

**Longitude:**

**Hydrologic Unit:**

**State Well No.:** 3355-02,03
Briefly describe the proposed work:

This well will be one of two more wells which will be drilled in the near vicinity of Well No. 3355-01 which is presently under construction. Water level and chemistry of the water obtained from the pilot hole of Well No. 3351-01 indicate that a high level, excellent source of potable quality water exists at this location. The proposed section of this new well may be revised after pump testing of Well No. 3351-01 has been completed.

PROPOSED SECTION OF WELL

Elevation at top of casing 1622 ft., msl.

Cement Grout 600 ft.

Hole Dia. 24 in.

Total Depth 1660 ft.

Rock Packing 0 ft.

Ground Elev. 1620 ft., msl*

Solid Casing:
Material Steel (ASTM A-53)
Length 1370 ft.
Diameter 18 (ID) in.
Wall thickness 0.375 in.

Casing: /\Perforated / Screen
Material Steel (ASTM A-53)
Length 250 ft.
Diameter 18 (ID) in.
Wall thickness 0.375 in.
Openings 100 sq. in./L.F.

Open Hole:
Length 40 Feet
Diameter 15 in.

*Approximate elevation at time of filing application. Final elevation (msl) by a surveyor licensed by the State must be submitted at start of construction.
APPLICATION FOR

X WELL CONSTRUCTION PERMIT

PUMP INSTALLATION PERMIT

INSTRUCTIONS: Please print or type and send completed application with attachments to the Division of Water and Land Development, P.O. Box 313, Honolulu, Hawaii 96820. Application must be accompanied by a non-refundable filing fee of $15.00 payable to the Department of Land and Natural Resources. (Filing fee waived for government agencies.) If necessary, phone 541-1543, Hydrology/Geology Section for assistance.

1. WELL LOCATION

Island Hawaii Tax Map Key 7-8-04:15
Address (no address available)

(Append a USGS map (scale 1"=2000') and property tax map showing well location referenced to established property boundaries.)

2. WELL OWNER

Firm Name Kamehameha Investment Corp. Contact Person Wallace Tirrell
Address P. O. Box 459 Honolulu, Hawaii 96809
Phone 521-1408

LANDOWNER

Firm Name Bernice Pauahi Bishop Estate Contact Person Sydney Keliipuleole
Address P. O. Box 3466 Honolulu, Hawaii 96813
Phone 523-6200

3. PROPOSED CONTRACTOR FOR: [ ] Well Drilling [ ] Pump Installation

Name Keauhou Kona Resort Company
Address P. O. Box 5685 Kailua-Kona, Hawaii 96745
Phone 322-2708 Contractor's License No. C-15937

4. PROPOSED WORK

[ ] Drill New Well [ ] Deepen [ ] Redrill
[ ] Install New Pump [ ] Replace Pump [ ] Abandon
[ ] Alter [ ] Seal [ ] Modify Pump

(Briefly describe the proposed work and fill in the diagram on the back of this form.)

5. PROPOSED USE

[ ] Municipal (including hotels, stores, etc.) [ ] Military
[ ] Domestic (individual, noncommercial water systems) [ ] Industrial
[ ] Irrigation (specify) [ ] Other (specify)

6. PROPOSED AMOUNT OF WITHDRAWAL 1,500,000 gallons per day

7. PROPOSED PUMP INFORMATION

Pump Type: [ ] Vertical Turbine [ ] Submersible
[ ] Turbine [ ] Gas [ ] Electric: 500 [ ] Centrifugal
[ ] Motor: [ ] Diesel [ ] Gas [ ] Rated Horsepower

Rated Pump Capacity 1050 gallons per minute (gpm)

Kamehameha

Well Owner (print) Investment Corp.
Signature __________________ Date 3-27-70

B. P. Bishop Estate

Landowner (print) __________________ Date 6-21-70

For Official Use Only:

Field Checked By __________________ Latitude __________________

Signature __________________ Longitude __________________

Date __________________ State Well No. __________________
Briefly describe the proposed work:

This well will be one of two more wells which will be drilled in the near vicinity of Well No. 3355-01 which is presently under construction. Water level and chemistry of the water obtained from the pilot hole of Well No. 3351-01 indicate that a high level, excellent source of potable quality water exists at this location. The proposed section of this new well may be revised after pump testing of Well No. 3351-01 has been completed.

PROPOSED SECTION OF WELL

Elevation at top of casing 1622 ft., msl.

Cement Grout 600 ft.

Hole Dia. 24 in.

Total Depth 1660 ft.

Rock Packing 0 ft.

- Solid Casing:
  - Material: Steel (ASTM A-53)
  - Length: 1370 ft.
  - Diameter: 18 (ID) in.
  - Wall thickness: 0.375 in.

- Casing: /X/Perforated / /Screen
  - Material: Steel (ASTM A-53)
  - Length: 250 ft.
  - Diameter: 18 (ID) in.
  - Wall thickness: 0.375 in.
  - Openings: 100 sq. in./L.F.

- Open Hole:
  - Length: 40 Feet
  - Diameter: 15 in.

*Approximate elevation at time of filing application. Final elevation (msl) by a surveyor licensed by the State must be submitted at start of construction.
KEAOUHOU KONA RESORT COMPANY

Well Construction Permits @ $25.00 each.

Well Nos. 3355 - 02, 03

KEAOUHOU KONA RESORT COMPANY
Post Office Box 5685
Kealua Kona, Hawaii 96745
Phone (808) 322-2708/322-6631

State of Hawaii
Div. of Water and Land Development
P.O. Box 373
Honolulu, HI 96809

$50.00

8/31/90

PAY TO THE ORDER OF:

FIRST HAWAIIAN BANK
KEAOUHOU KONA BRANCH

0024443

67039394