August 15, 2011

Mr. Harvey Teves

Dear Mr. Teves:

Application for Amendment of Water Use Permit No. 751

Thank you for your information about placing a pump in a pond on your property, for the purpose of meeting building requirements in case of fire. This was mixed in with your well completion reports for a well on the property, Keonekuino-Teves Well (Well No. 0354-07), to be acknowledged separately. In the absence of a water use permit application, we believe perhaps you wish to amend your existing Water Use Permit No. 751 to include use of this pond to supplement well use. Please clarify.

There is some confusion regarding this request, as your reference to the pond is accompanied by a diagram referring to it as a “new pond”. In separate phone conversations, you have talked about it as an existing pond. None of our maps show the pond, nor does the satellite imagery for Molokai show it (see attached). Please provide photos showing both the pond and the culvert exit to the ocean. If the pond is a natural pond, the pump installation will require a surface water diversion works permit application; if it is a “dug well”, it will require a pump installation permit application and the clarification regarding WUP 751.

If you have any questions, please contact Charley Ice of our staff at [number] or toll free from Maui at [number].

Sincerely,

WILLIAM M. TAM
Deputy Director

Cl: ss
Attachment
Subject: Water shortage plan: Permit for well # 0354-07, Molokai

Dear Sir,

Thank you for the assistance in obtaining subject permit. I’m submitting a water shortage plan you requested in your letter to me dated 11/03/05.

Once the well is in place initially I intend to install a 1000 gallon holding tank for water storage, and I think this will definitely help in the case of a water shortage. As the agriculture expands on the acreage I intend to increase the water storage capacity and to protect further for the needs during the dry season. If further cutbacks are necessary by your department I intend to cooperate with further reasonable requirements to get through the water shortage period.

Thank you,

Harvey Peves
November 3, 2005

751.wup

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Harvey A. Teves

Dear Mr. Teves:

Approval of Water Use Permit for Well No. 0354-07
Kawela Ground-Water Management Area, Molokai

This letter transmits your water use permit for Keonekuino-Teves (Well No.0354-07) for use of 0.045 mgd million gallons per day (mgd) of water on a 12-month moving average basis that was approved by the Commission on Water Resource Management (Commission) on September 24, 1996.

This action is a transfer of a permit approved for Charles Bostwick for use of a proposed well which has not yet been constructed, and accompanies the transfer of sale of the property where it was proposed. While technically, this transfer was noticed later than the normal 90-day period specified in the Water Code, we know of no compelling reasons the transfer should not be approved.

As part of the Commission's original approval, the following special conditions were added and are part of your permit under Standard Permit Condition 19:

Special Conditions

1. Should an alternate permanent source of water be found for this use, then the Commission reserves the right to revoke this permit, after a hearing.

2. In the event that the tax map key at the location of the water use is changed, the permittee shall notify the Commission in writing of the tax map key change within thirty (30) days after the permittee receives notice of the tax map key change.

Enclosed with this letter of approval are the following:

1. Your water use permit
2. Your official monthly water use report form
Please be sure to read the conditions of your approved permit.

We draw your attention to two key conditions of your permit that require your response. First, you are required to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular yearly basis using the enclosed water use report form. You should make copies of the enclosed report form as needed.

Second, you are required to submit a water shortage plan to the Commission within thirty (30) days of the issuance date of this permit. Your water shortage plan simply identifies what you are willing to do should the Commission declare a water shortage situation in the Kawela Ground-Water Management Area and can be as short as a one page letter. In a water shortage situation, the Commission may require temporary reductions in pumpage from all sources. The Commission is required, by law, to formulate a plan to implement such area-wide reductions, which should accommodate, include, and be consistent with your plans. Therefore, your help, by submitting your water shortage plan, is greatly needed in formulating the Commission's overall Water Shortage Plan.

If you have any questions, please call Charley Ice of the Commission staff at [ ].

Sincerely,

W. Roy Hardy

Peter T. Young
Chairperson

Attachments

c: American Drilling
Pursuant to Hawaii’s State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the permittee is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:
1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means "the use of water in such a quantity as is necessary for economic and efficient utilization which is both reasonable and consistent with State and County land use plans and the public interest." (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and HRS § 174C-101(a).

4. The ground-water use here must not interfere with surface or other ground-water rights or reservations.

5. The ground-water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its September 24, 1996 meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. protect the water sources (quantity or quality);
   b. meet other legal obligations including other correlative rights;
   c. insure adequate conservation measures;
   d. require efficiency of water uses;
   e. reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).
11. This permit shall be subject to the Commission's periodic review of the Kawela Aquifer System's sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the Kawela Aquifer System, or relevant modified aquifer(s), is reduced.

12. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of the use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer, which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

13. The use(s) authorized by law and by this permit do not constitute ownership rights.

14. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances that will affect the permittee's water use.

15. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period of forfeiture.

16. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Kawela Ground-Water Management Area.

17. The water use permit shall be subject to the Commission's establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

18. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

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

W. Rey Family

PETER T. YOUNG, Chairperson
Commission on Water Resource Management
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need new WVP 1750?

* update WVP database info (new record)
Charles Bostwick

October 13, 2005

State Of Hawaii
Department Of Land And Natural Resources
Commission On Water Management

Attn: Mr. Charles Ice

RE: Water Use Permit # 442, Well # 0354-07

Dear Mr. Ice,

I recently completed the sale of the subject properties on Molokai to Mr. Harvey Teves and the Teves Trust. Along with this sale, I am conveying the water rights as described in the permits we were awarded. Please transfer the permit and well numbers to Mr. Teves and the Teves Trust.

It is my understanding that Mr. Teves will continue with the well construction as stated in the permits. If you have any questions please contact me so this matter can be taken care of in a timely fashion. My phone number is: [redacted].

Thank you for your attention to this matter.

Sincerely,

Charles Bostwick

Cc: Harvey Teves
Mr. Harvey Teves

Dear Mr. Teves:

Keonekuino-Bostwick Well Permits

Thank you very much for your prompt telephone reply to our letter dated August 18, 2005, inquiring about the status of this well. Our understanding, as of your August 22, 2005 phone call, is that you have purchased a portion of the Bostwick property, and that clearing title took about seven years. You would like to continue the water use permit, and pursue a new well construction permit.

By this letter, we are keeping your water use permit active, and are transmitting an application for a well construction permit, as well as a copy of the original well construction proposal. You mentioned that you are a contractor and are considering using a driller in California. Forms are also available on our website, www.hawaii.gov/dlnr/cwrm.

You understand that wells in Hawaii must be drilled by a Hawaii licensed driller, and will inquire about those requirements with the Department of Commerce and Consumer Affairs (DCCA). We are also transmitting a copy of the Hawaii Well Construction and Pump Installation Standards for your reference. This also may be downloaded from the website.

If you have any questions, please call Charley Ice of the Commission staff at [redacted].

Sincerely,

[Signature]

DEAN A. NAKANO
Acting Deputy Director

CI:ss
Enclosures: (WCPIA and HWCPIS)

c: Charles Bostwick
FROM: Charley DATE: 12 July 05

TO: BAUER, G.
- 262 837 713 0105

TO: HARDY, R.
- AKODA, E.
- NAKANO, D.
- IZU, Y.
- DANBARRA, S.
- SUBIA, S.
- YODA, K.
- CHING, F.

INIT: 1

INIT: K

FOR: Approval

FOR: Information

PLEASE:
- Review & Comment
- Type Draft
- Type Final
- File
- Xerox ___ copies
- Take Action:
- ___ Please See Me

22 Sep tel con. Like to continue WUP will pursue new WCP Harvey Teves- purchased part of Batchwick property 552 Iana St. Kailua 96734
Mr. Charles Bostwick

August 18, 2005

Dear Mr. Bostwick:

Expiration of Well Construction Permit and Water Use Permit No. 442
Keonekuino-Bostwick Well (Well No. 0354-07)

Our records indicate that your well construction permit has expired, and we have no record of any work done on the well. At this point, no further work should be done without a new permit. Any work done under the previous permit should be noted on the well completion report form sent with your permit.

If you intend to pursue the proposed well, you may reapply for a well construction permit at any time without penalty or prejudice. If you do not intend to pursue the well, your water use permit should also be cancelled. If we do not hear from you in 30 days, we will assume you do not intend to continue.

Water use permits may be revoked after four years of non-use. Your permit was approved September 26, 1996, and we have not had any further communications concerning your intentions. Unless we receive an affirmative written response from you within 30 days, action will be taken to revoke your water use permit for non-use.

If you have any questions, please call Charley Ice of the Commission staff at [number] or toll-free at [number].

Sincerely,

DEAN A. NAKANO
Acting Deputy Director
GROUND WATER USE PERMIT
WUP NO. 442

PERMITTEE

Applicant/Water User
Charles Bostwick
Address: CHARLES BOSTWICK

Landowner of Source
Address: FLORENCE SCHULTZ ET AL

PERMITTED SOURCE INFORMATION

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<tr>
<td>State Well No.</td>
<td>0354-07</td>
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PERMITTED USE INFORMATION

Reasonable beneficial use
DOMESTIC MUNICIPAL MILITARY AGRIC IND (based on 87 acres agricultural land)

Withdrawal (12 month moving ave.)
0.045 mgd

Location of water use
TMK #
5-5-1-7 & 26

Pursuant to Hawaii’s State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the applicant is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:
1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means "the use of water in such a quantity as is necessary for economic and efficient utilization which is both reasonable and consistent with State and County land use plans and the public interest." (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and HRS § 174C-10l(a).

4. The ground water use here must not interfere with surface or other ground water rights or reservations.

5. The ground water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its September 24, 1996 meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. protect the water sources (quantity or quality);
   b. meet other legal obligations including other correlative rights;
   c. insure adequate conservation measures;
   d. require efficiency of water uses;
   e. reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.
GROUND WATER USE PERMIT
CHARLES BOSTWICK, Well No. 0354-07, WUP No. 442

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).

12. This permit shall be subject to the Commission's periodic review of the KAWELA Aquifer System's sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the KAWELA Aquifer System, or relevant modified aquifer(s), is reduced.

13. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of the use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

14. The use(s) authorized by law and by this permit do not constitute ownership rights.

15. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances which will affect the permittee's water use.

16. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period of forfeiture.

17. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the KAWELA Ground Water Management Area.

18. The water use permit granted shall be an interim water use permit, pursuant to HAR § 13-167-3(6). The final determination of the water use quantity shall be made within five years of the filing of the application.
19. The water use permit shall be subject to the Commission's establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

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

21. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

Date of Approval: September 24, 1996

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: [Signature]

Date: Oct. 23, 1996

Printed Name: CHARLES M. BOSTWICK

Firm or Title: Owner

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

Attachment

cc: FLORENCE SCHULTZ ET AL
Oct. 23, 1996

CHARLES Bostwick

TO: Commission on Water Resource Management

RE: Water Shortage Plan

Should the commission declare a water shortage situation in the Kaua'i Ground Water Management Area, I am willing to reduce my consumption to help alleviate the situation. I understand this to be a temporary situation and could happen at any time.

Charles M. Bostwick
Charles M. Bostwick
Mr. Charles Bostwick

Dear Mr. Bostwick:

Approval of Water Use Permit and
Well Construction Permit for Well No. 0354-07
KAWELEA Ground Water Management Area, MOLOKAI

This letter transmits your water use permit and well construction permit for BOSTWICK WELL NO.1 Well (Well No. 0354-07) for use of 0.045 million gallons per day (mgd) of water on a 12-month moving average basis that was approved by the Commission on Water Resource Management (Commission) on September 24, 1996. As part of the Commission's approval, the following special conditions were added and are part of your permit under Standard Permit Condition 20:

Special Conditions

1. Special Conditions
   If the permittee intends to continue the use after five years, the permittee shall submit a notice of intent to continue the use at least ninety (90) days prior to the expiration of the interim five-year permit.

Enclosed with this letter of approval are the following:

1. Your water use permit
2. Your well construction permit
3. A well completion form
4. Aquifer Pump Test Procedures

The Commission has authorized the Chairperson to approve and issue a pump installation permit for a pump capacity of 35 gpm or less, supported by information provided in the Well Completion Report using acceptable aquifer pumping test results required in Condition 6e of the well construction permit conditions, subject to standard pump installation permit conditions.

Please be sure to read the conditions of your approved permit. If you accept these terms, please sign and return one copy of this permit to the Commission and retain a copy for your record.

We draw your attention to two key conditions of your permit that require your response. First, you are required to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular annual basis using the enclosed water use report form. You should make copies of the enclosed report form as needed.

Second, you are required to submit a water shortage plan to the Commission within thirty (30) days of the issuance date of this permit. Your water shortage plan simply identifies what you are willing to do should the Commission declare a water shortage situation in the KAWELEA Ground Water Management Area and can be as short as a one page letter. In a water shortage situation, the Commission may require temporary reductions in pumpage from all sources. The Commission is required, by law, to formulate a plan to implement such area-wide reductions, which should accommodate, include, and be consistent with your plans. Therefore, your help, by submitting your water shortage plan, is greatly needed in formulating the Commission's overall Water Shortage Plan.

If you have any questions, please call Rae M. Loui, Deputy Director, at [redacted] or toll-free at [redacted].

Aloha,

[Signature]
MICHAEL D. WILSON
Chairperson

Attachments

- Florence M. Schultz
- Martha Ann Rice
- Colleen McCorriston
- David Curtis
GROUND WATER USE PERMIT
WUP NO. 442

PERMITTEE

Applicant/Water User:
Address: CHARLES BOSTWICK

Landowner of Source:
Address: FLORENCE SCHÜTZ ET AL

PERMITTED SOURCE INFORMATION

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PERMITTED USE INFORMATION

Reasonable beneficial use:
DOMESTIC MUNICIPAL MILITARY AGRIC IND (based on 87 acres agricultural land)

Withdrawal (12 month moving ave.): 0.045 mgd

Location of water use:
TMK #: 5-5-1:7 & 26
Address
State land use classification: AG
County zoning classification: AG

Pursuant to Hawaii's State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the applicant is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:
GROUND WATER USE PERMIT
CHARLES BOSTWICK, Well No. 0354-07, WUP No. 442

1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means "the use of water in such a quantity as is necessary for economic and efficient utilization which is both reasonable and consistent with State and County land use plans and the public interest." (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and HRS § 174C-101(a).

4. The ground water use here must not interfere with surface or other ground water rights or reservations.

5. The ground water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its September 24, 1996 meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. protect the water sources (quantity or quality);
   b. meet other legal obligations including other correlative rights;
   c. insure adequate conservation measures;
   d. require efficiency of water uses;
   e. reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).

12. This permit shall be subject to the Commission’s periodic review of the KAWELA Aquifer System’s sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the KAWELA Aquifer System, or relevant modified aquifer(s), is reduced.

13. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of the use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

14. The use(s) authorized by law and by this permit do not constitute ownership rights.

15. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances which will affect the permittee’s water use.

16. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period of forfeiture.

17. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the KAWELA Ground Water Management Area.

18. The water use permit granted shall be an interim water use permit, pursuant to HAR § 13-167-3(6). The final determination of the water use quantity shall be made within five years of the filing of the application.
19. The water use permit shall be subject to the Commission's establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

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

21. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

Date of Approval: September 24, 1996

[Signature]

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

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.

Attachment

cc: FLORENCE SCHULTZ ET AL
WELL CONSTRUCTION PERMIT
Keoneku’ino-Bostwick Well, Well No. 0354-07

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 Keoneku’ino-Bostwick Well (Well No. 0354-07) at Keoneku’ino, Mana’e, Moloka’i, TMK 5-5-1:7 & 26, subject to the following conditions:

STANDARD PERMIT CONDITIONS

1. The Commission on Water Resource Management (Commission), [REDACTED], 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 (587-0045) 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 September 24, 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: September 24, 1996
Expiration Date: September 24, 1998
Michael D. Wilson, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

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.

Attachment
C: USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Maui Board of Water Supply
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

September 24, 1996
Kaunakakai, Molokai

Charles Bostwick
APPLICATION FOR A WATER USE PERMIT,
WELL CONSTRUCTION AND PUMP INSTALLATION PERMITS
Keoneku‘ino-Bostwick Well (Well No. 0354-07), TMK 5-5-1:7
Well: 6-in diameter, 70-ft deep; Pump: 35 gpm
Agricultural use for 45,000 gpd
Kawela Ground Water Management Area, Molokai

APPLICANT:
Charles Bostwick

LANDOWNER:
Florence Schultz, et al

LOCATION MAP: See Exhibit 1

BACKGROUND:
This application was accepted on June 10, 1996. While an earlier application indicated prospective dwellings in addition to the irrigation requirements, the applicant amended the application to delete the usage by the dwellings. Since the residences would be in the Conservation District and would require a Conservation District Use Permit (CDUP), the applicant will reapply if a CDUP is granted.

On August 14, 1996, action on the current request was continued to a meeting on Moloka‘i. Additional information regarding the source, use, notification, objections, and field investigation(s) is provided in Exhibit 2.

ANALYSIS/ISSUES:
Section 174C-49(a) of the State Water Code establishes seven (7) criteria that must be met to obtain a water use permit. An analysis of the proposed permit in relation to these criteria follows:

Item 3
(1) **Water availability**: Through the Hawaii Water Plan, the Commission has adopted 5 mgd as the sustainable yield for the Kawela Aquifer System. Individual existing water use permits in this aquifer system are shown in Exhibit 3. Water is available to accommodate this water use permit application. A summary of the current ground water conditions in the aquifer is provided in Table 1:

<table>
<thead>
<tr>
<th>Sustainable Yield</th>
<th>KAWELA AQUIFER SYSTEM (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less: Other Existing Water Use Permits (shown in Exhibit 3)</td>
<td>-0.760</td>
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<tr>
<td>Subtotal (Current Available Allocation)</td>
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<td>Less: Bostwick Water Use Permit Application</td>
<td>-0.045</td>
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<tr>
<td>Less: Pending Incomplete Applications</td>
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<tr>
<td>Subtotal (Potential Available Allocation/Allocation Deficit)</td>
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</table>

(2) **Reasonable-beneficial**

Section 174C-3 HRS defines "reasonable-beneficial use" as "...the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is both reasonable and consistent with the state and county land use plans and the public interest".

The applicant proposes to irrigate 40-50 acres of citrus trees at about 1000 gpd/acre which is within the Maui county guideline of 5000 gpd/acre for reasonable agricultural use.

(3) **Interference with other existing legal uses**

The proposed well will reach basalt below the narrow stretch of alluvium along the coast, and is expected to have minimal effect on leakage from the basalt through alluvium to the ocean. A cluster of six dug alluvial wells lies to the west with the nearest being about 0.3 mile away. Another well is 0.7 mile to the east. The proposed well is only about 0.1 mile from the coast which makes the ocean closer to the well than sources. The sphere of any well influence on ground water by the proposed well should stop at the
ocean before reaching any of these more distant wells. Pahiomu Fishpond, proposed for restoration, is about 0.25 mile away and is not expected to experience any effect from this well because of the low pumpage rate.

(4) **Public interest**

The proposed agricultural use is one of the public interest objectives in the Code.

(5) **State & county general plans and land use designations**

The area is within the State Agricultural District.

(6) **County land use plans and policies**

The Mayor and Planning Director indicate that the proposed uses are consistent with county land use plans and policies. The Community Plan under consideration would not change this situation. The Moloka'i Water Working Group recommends that agriculture remain the economic and cultural "heart" of Moloka'i, and that withdrawals from the Southeast Sector be limited to 33% of the sustainable yield (i.e. 1.67 mgd from Kawela). Approving this water use permit application would bring the total allocation from Kawela to 0.805 mgd which is less than this recommended limit.

(7) **Interference with Hawaiian home lands rights**

There are no Hawaiian home lands in this aquifer system, and no requests from DHHL for an allocation from this system. All permits are subject to the prior rights of Hawaiian home lands. The Department of Hawaiian Home Lands (DHHL) and the Office of Hawaiian Affairs have reviewed this application and report no objections.

**RECOMMENDATION:**

A. That the Commission approve the issuance of an interim five-year water use permit to Charles Bostwick for the reasonable and beneficial use of 45,000 gallons per day of potable water for irrigation from the Keoneku'ino-Bostwick Well (Well No. 0354-07), subject to the standard water use permit conditions listed in Exhibit 4 and the following special conditions:

1. If the permittee intends to continue the use after five years, the permittee shall submit a notice of intent to continue the use at least ninety (90) days prior to the expiration of the interim five-year permit.

B. That the Commission approve the issuance of a well construction permit for Keoneku'ino-Bostwick Well, subject to standard well construction permit conditions in Exhibit 5.
C. That the Commission authorize the Chairperson to approve and issue a pump installation permit for a maximum pump capacity of 35 gpm, based on information provided in the Well Completion Report (Exhibit 6) and the aquifer pumping test results required in Condition 2 and 6e (Exhibit 5), and subject to the standard pump installation permit conditions in Exhibit 8.

Respectfully submitted,

[Signature]

RAE M. LOUI
Deputy Director

Exhibits:
1- Location Map
2- Detailed Information
3- Existing Water Use Permits
4- Standard Water Use Permit Conditions
5- Standard Well Construction Conditions
6- Well Completion Report Form
7- Pump Test Procedures
8- Standard Pump Installation Conditions
9- Water Use Report Form

APPROVED FOR SUBMITTAL:

[Signature]

MICHAEL D. WILSON, Chairperson
## WATER USE PERMIT DETAILED INFORMATION

### Source Information

| AQUIFER: | Kawela System, Southeast Sector, Moloka'i |
| Sustainable Yield: | 5.00 mgd |
| Existing Water Use Permits: | 0.76 mgd |
| Available Allocation: | 4.24 mgd |
| Total of other pending allocations: | 0 mgd |

### WELL:

| WELL: Keoneku'ino-Bostwick Well (Well No. 0354-07) |
| Location: | 5-5-1:7 |
| Year Drilled: | not drilled |
| Casing Diameter: | 6 in. |
| Elevations (msl = 0 ft.) | |
| Water Level: | NA ft. |
| Ground: | 40 ft. |
| Bottom of Solid Casing: | 40 ft. |
| Bottom of Perforated: | 70 ft. |
| Bottom of Open Hole: | 70 ft. |
| Total Depth: | 70 ft. |
| Grouted Annulus Depth: | 3 ft. |
| Pump Capacity | 35 gpm |

### Use Information

- **Quantity Requested:** 40-50 acres at 1,000 gallons per day.
- **Proposed Type of Water Use:** Irrigation

EXHIBIT 2
Place of Water Use: Keoneku‘ino at TMK: 5-5-1:7

Reported Water Usage: NA gpd
Nearby Similar Water Usage: NA gpd
Kawela Aquifer System
Current 12-Month Moving Average Withdrawal: 0.604 gpd
(12% of SY)

Nearby Surrounding Wells and Other Registered Ground Water Use

There are 7 other wells within a mile of the well (see Exhibit 1). None of these wells are currently reporting use. Information from the registration program indicates there are possibly 52 existing wells in the Kawela Aquifer System. Several of these wells have been field checked but some of the declarants have not been completely field verified. Several are not in use or are rights claims.

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Advertiser on July 10 and July 17, 1996 and copies of the notice were sent to the Mayor's office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources & Historic Preservation Divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by July 27, 1996.

Objections

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by July 27, 1996.

No objections have been received. To the best of staff’s knowledge there have been no objections raised by those who have property interests within the Kawela Aquifer System or who will be directly and immediately affected by the proposed water use.

Briefs in Support

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and copies must served to the applicant. No briefs in support were filed with the Commission.
# Water Use Permit Index

**August 8, 1996**

**ISLAND OF MOLOKAI**

**WMA Aquifer System: KAWELA**

Sustainable Yield = 5 mgd

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<tr>
<th>Wup No.</th>
<th>Applicant</th>
<th>Well No</th>
<th>Well Name</th>
<th>Approval</th>
<th>WUP (mgd)</th>
<th>12-MAV (mgd)</th>
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15 Permits Totalling 0.760
Available SY

Statewide there are 15 WUP Totalling 0.760

**EXHIBIT 3**
STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and 174C-101(a), HRS.

4. The ground water use approved must not interfere with surface or ground water rights or reservations.

5. The ground water use approved must not interfere with interim or permanent instream flow standards.
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its September 24, 1996 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commissions's police powers under law as may be required.

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.
10. If the ground water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on forms provided by the Commission (attached) on a yearly basis.

12. The water use permit shall be subject to the Commission’s periodic review of the applicable aquifer’s sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Kawela Aquifer System, or relevant modified aquifer, is reduced.

13. A water use permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including but not limited to place, quantity, and purpose of the use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

   Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer which involves a change in use in any condition of the permit, including a change in use covered in section 174C-57 (Modification of permit terms), is also invalid and constitutes a ground for revocation.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, ordinances, and other agencies’ permits and conditions pertaining to water use or the water resource.

16. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period of forfeiture.

17. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Kawela Ground Water Management Area.

18. The water use permit granted shall be an interim water use permit, pursuant to HAR § 13-167-3(6). The final determination of the water use quantity shall be made within five years.

19. The water use permit shall be subject to the Commission’s establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.
STANDARD WELL CONSTRUCTION PERMIT CONDITIONS

1. The Commission on Water Resource Management shall be notified, in writing, 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 (Exhibit 7). 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 (587-0045) 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:
   a. Well completion report (attached, Exhibit 5, Part I).
   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 September 24, 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 work.

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

EXHIBIT 5
WELL COMPLETION REPORT

(W) Well Construction  (P) (Permanent) Pump Installation

Instructions: Please print or type and submit completed report within 30 days after well completion to the Commission on Water Resource Management. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at ___-____-____. An as-built drawing of the well and chemical analysis should also be submitted.

1. State Well No.: ___________ Well Name: ___________ Island: ___________

2. Location/Address: ____________________________________________ Tax Map Key: _______-

PART I.

WELL CONSTRUCTION REPORT

3. Drilling Company: _____________________________________________

4. Name of driller who performed work: ____________________________

5. Type of rig/construction: _______________________________________

6. Date(s) Well Construction and pump tests (if any) completed: ______

7. GROUND ELEVATION (referenced to mean sea level, msl): _______ ft.
   Well Bench Mark (description/location): ____________________________
   Elevation(msl): _______ ft.

8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)
   Depths (ft.)    Rock Description, Water Level, Dates, etc.    Depths (ft.)    Rock Description, Water Level, Dates, etc.
   _______      _______      _______      _______      _______      _______      _______      _______      _______
   _______      _______      _______      _______      _______      _______      _______      _______      _______
   (If more space is needed, continue on back.)

9. Total depth of well below ground: _______ ft.

10. Hole size:
    _______ inch dia. from _______ ft. to _______ ft. below ground
    _______ inch dia. from _______ ft. to _______ ft. below ground
    _______ inch dia. from _______ ft. to _______ ft. below ground

11. Casing installed: _______ in. I.D. x _______ in. wall solid section to _______ ft. below ground
    _______ in. I.D. x _______ in. wall perforated section to _______ ft. below ground
    Casing Material/Slot Size: ___________________________

12. Annulus:
    Grouted from _______ ft. below ground to _______ ft. below ground
    Gravel packed from _______ ft. below ground to _______ ft. below ground

13. Initial water level: _______ ft. below ground. Date and time of measurement:_______

14. Initial chloride: _______ ppm Date and time of sampling: _______

15. Initial temperature: _______ °F Date and time of measurement: _______

16. PUMPING TESTS: Reference Point (R.P.) used: _______ which elevation is _______ ft.
   (1) Step-Drawdown Test Date _______ (2) Long-term Aquifer Test Date _______
   Start water level _______ ft. below R.P. Start water level _______ ft. below R.P.
   End water level _______ ft. below R.P. End water level _______ ft. below R.P.

17. Aquifer Pump Test Procedures data & graphs (1/2/96 LTAT Form) attached? ____ Yes ____ No

18. As-built drawings attached attached? ____ Yes ____ No

19. Other remarks/comments: (On back of this form)

Well Drilling Contractor (print) ___________________________ C-57 Lic. No. _______-

Signature ___________________________________________ Date ___________

Surveyor (print) ___________________________________________ Lic. No. _______-

Signature ___________________________________________ Date ___________

Applicant (print) ___________________________________________ Date ___________

Signature ___________________________________________ Date ___________

EXHIBIT 6
### 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 pipeline __________ 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: _______________________________________

Pump Installation Contractor (print) ________________________________

C-57 Lic. No. ________________________________

Signature ________________________________ Date __________

Applicant (print) ________________________________

Signature ________________________________ Date __________

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### DRILLER'S LOG (cont'd):

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<th>Rock Description, Remarks, Dates</th>
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19. & 25. Remarks:

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__________________________________________________________________________________
AQUIFER (PUMP) TEST PROCEDURES

The pump test procedure for new wells shall consist of a step-drawdown test followed by a long-term continuous aquifer test. Testing the well and aquifer in the prescribed manner should result in the hydrologic information needed to determine: 1) the well's performance with regard to yield and water quality (chloride concentration), and 2) the nearby hydraulic properties of the aquifer.

General Recording Requirements

The records required for analysis and the tolerance in measurement acceptable for the step-drawdown and long-term continuous aquifer test are as follows:

1. Discharge from the well shall not fluctuate beyond ± 10 percent.
2. Depth to water measurements in the pumped well shall be accurate to 0.01 feet.
3. Time shall be accurate within ± 1 percent.
4. Water discharged from the well during the step-drawdown and long-term test shall be carried away from the well to a distance sufficient to preclude circulation of the discharge water downward to the ground-water table.
5. Recording of data should be on a form similar to Table 1. All information shown in Table 1 shall be provided. In addition, data shall be plotted on Graph 1 and provided.

Step-Drawdown Test

The purpose of the step-drawdown test is to establish the efficiency of the well and to provide preliminary information on the yield of the well, both from a quantity and quality standpoint.

1. Measurement of water level in the pumped well shall be made every 12 hours for a period of no less than two days prior to the initiation of the step-drawdown test in order to obtain the pretest trend in water levels.
2. The step-drawdown test will consist of continuously pumping the well for four hours at four different rates.
   a. The change from one pumping rate to the next must be sufficient to induce an observable change in water level in the well from the previous pumpage rate.
   b. If desired, the four different rates should represent the full range of pump capacity (if the yield can sustain this), but this is not necessary.
3. Each pumping rate should be continued for one hour, after which the new rate should be instituted as rapidly as possible.

4. Pumping should begin at the lowest rate and conclude with the highest rate.

5. Pumping should be continuous through the entire step-drawdown test.

6. Measurement of chloride concentration and temperature of the discharge water shall be measured at least five times:
   a. at the end of each pumping rate during the step-drawdown test, and
   b. at the very beginning of the test.

7. A sufficient number of water level measurements shall be made in the pumped well following the termination of the step-drawdown test to establish that the water level fully recovers from each test to pretest levels.

**Long-Term Continuous Test**

The purpose of the long-term continuous test is to determine the hydraulic properties of the aquifer to explore for and identify nearby aquifer boundaries such as streams or dikes, and to observe the trend in chloride concentration of the discharge water.

1. The long-term test should not commence until the water level in the pumped well has fully recovered from the step-drawdown test. Generally, the time required for this recovery will be slightly greater than four hours. The water level in the pumped well should be measured immediately before initiation of the long-term test.

2. The pump rate for the long-term test should be sufficient to create an observable drawdown.

3. The test should be run 24 hours per day for at least seven days. If during the test, the water level remains the same for a period of 24 hours, the test can be terminated.

4. Measurement of chloride concentration and temperature of the discharge water during the long-term test shall be made at the beginning of the test and every six hours thereafter.

5. Depth to water in all wells shall be measured with sufficient frequency that each logarithmic cycle in time on the data plots (Graph 1) contains at least 10 data points spread through the cycle. Thus, depth to water should be made at t=0 (immediately prior to start of the test), and as close as possible at t=1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, and 8 minutes for the first ten minutes and at all succeeding decimal multiples of these numbers to the end of the test (t=10, 15, 20, 25, 30, 40, 50, 60, 70, and 80 minutes for the log cycle 10 to 100 minutes, etc.)

6. A sufficient number of water level measurements shall be made in the pumped well following termination of the long-term continuous test to establish that the water level fully recovers from each test to pretest levels.
# Table 1: Long-Term Aquifer Test Data

Pumped Well No. | Observation well no.  
--- | ---  
Pumped Well Name | Distance between Obs. & Pumped Well ft.  
Target Q (gpm) | Reference pt. for depth to water ft. msl  
Static Water Level @ start of test ft. msl  
Water level measurements by:  
- Steel tape  
- Pressure transducer  
- Airline  

**Start Test**  
Date: _______  
Hour of day: _______

| Suggested elapsed time (min) | Actual elapsed time (min) | Depth to water (nearest 0.01 ft) | Drawdown (unadjusted to nearest 0.01 ft) | Pumping rate Q (gpm) | EC (µmhos) | Cl⁻ (mg/l) | Temp. °F/ °C | Remarks | Data in this table is for:  
|-----------------------------|---------------------------|----------------------------------|--------------------------------------|---------------------|-----------|-----------|-------------|-----------------|---------------------  
| 0                           | 0                         | 0.00                             |                                      |                     |           |           |             | Start test       | Pumped Well           
| 1                           |                           |                                  |                                      |                     |           |           |             |                 | Observation Well      
| 1.5                         |                           |                                  |                                      |                     |           |           |             |                 | Remarks               
| 2                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 2.5                         |                           |                                  |                                      |                     |           |           |             |                 |                       
| 3                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 4                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 5                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 6                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 7                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 8                           |                           |                                  |                                      |                     |           |           |             |                 |                       
| 10                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 15                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 20                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 25                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 30                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 40                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 50                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 60                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 70                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 80                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 90                          |                           |                                  |                                      |                     |           |           |             |                 |                       
| 100                         |                           |                                  |                                      |                     |           |           |             |                 |                       
| 150                         |                           |                                  |                                      |                     |           |           |             |                 |                       
| 200                         |                           |                                  |                                      |                     |           |           |             |                 |                       
| 250                         |                           |                                  |                                      |                     |           |           |             |                 |                      

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END TEST  Date: ___________  Hour of day: ___________

ADDITIONAL REMARKS:

Person in charge of pump test (print): ________________________________

Signature: ________________________________

The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this aquifer test.

CWRM LTAT Form 1/9/96
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission on Water Resource Management (Commission), shall be notified, in writing, before any work covered by this permit commences.

2. The pump installation permit shall be for installation of a 35 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 and report to the Commission on a monthly 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 permittee 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 September 24, 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 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.

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.
# ANNUAL GROUND WATER USE REPORT FOR

Report Submitted for the Year 19

**State Well No.** 0354-07  
**Well Name** Keonekino-Bostwick Well

<table>
<thead>
<tr>
<th>Month</th>
<th>Quantity Pumped (gallons)</th>
<th>Method of Measurement</th>
<th>Chloride (mg/l)</th>
<th>Temp. ('F)</th>
<th>Lowest Pumping Water Level (ft. above msl)</th>
<th>Highest Non-pumping Water Level (ft. above msl)</th>
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**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 137, State of Hawaii, Honolulu, HI 96811-0137, or 1-800-686-9064 (neighbor islands).

- **Flow meter, electrical consumption, weir of flume, not metered (estimated)**
- **Indicate how long pump was on or off when chloride sample taken**
- **Minimum time between pump/well turned off and water level measurement must be at least 24 hours; if pumping schedule did not allow for at least 24 hour rest during the month please indicate amount of hours pump was off before this measurement**

Other comments or additional information (e.g. - date and method of chloride measurement; how pumping amounts are estimated; etc...):

Submitted by (print) ____________________________  
Signature _______________  
Title ____________________________  
Date ____________________________

EXHIBIT 9
MEMORANDUM

TO: Rae M. Loui, Deputy Director
   Commission on Water Resources

FROM: Don Hibbard, Administrator
   State Historic Preservation Division

SUBJECT: Chapter 6E-42 Historic Preservation Review of a Water Use Permit Application for
         Well No. 0354-07
         Keonokuino, Moloka'i
         TMK: 5-5-01: 7, 9, 19 & 26

According to the application materials on file at the Commission on Water Resource Management, the
new well is to be built on a low ridge flat at about 40 meters (85 feet) above mean sea level on parcel
7. Our review is based on historic reports, maps, and aerial photographs maintained at the State Historic
Preservation Division; no field inspection was made of the subject parcels. Our review comments are
late, and we apologize for any inconvenience this may cause you.

We have no record of historic sites on this parcel, although no archaeological inventory survey has been
conducted. Throughout the past decades, the land in parcel 7 has been used primarily as a cattle pasture.
Judging from aerial photographs taken about 1940, when the kiawe trees and other vegetative growth
present today were much less prevalent, there are no structures resembling historic sites visible in the
general area of the proposed well. An archaeological reconnaissance survey in a nearby area of similar
terrain at Pua'ahala located historic sites above the 200 - 225-foot elevations (Preliminary Historical and
Archeological Research at Pua'ahala, Moloka'i. 1993. McCoy & Nakamura). In view of these findings,
it seems unlikely that significant historic sites are present in the vicinity of the proposed well site.
Therefore, we believe that the water use permit application, if approved, will have "no effect" on
significant historic sites. This correspondence constitutes our review letter under Chapter 6E-42, Hawaii
Revised Statutes.

We would, however, recommend the following precaution:

Should historic remains such as artifacts, burials, concentrations of shell or charcoal be
encountered during construction activities, work shall cease immediately in the immediate vicinity
of the find, and the find shall be protected from further damage. The applicant shall immediately
contact the State Historic Preservation Division ( ), which will assess the significance of
the find and recommend an appropriate mitigation measure, if necessary.

Should you have any questions, please feel free to call Sara Collins at
STAFF SUBMITTAL  
for the meeting of the  
COMMISSION ON WATER RESOURCE MANAGEMENT  

August 14, 1996  
Honolulu, Oahu  

Charles Bostwick  
DEFERRAL - APPLICATION FOR A WATER USE PERMIT  
Keonekuino Bostwick Well (Well No. 0354-07), TMK 5-5-1:7  
Future domestic and agricultural use for 10,000 gpd  
Kawela Ground Water Management Area, Molokai  

APPLICANT:  
Charles Bostwick  

LANDOWNER:  
Florence Schultz, et al  

LOCATION MAP: See Exhibit 1  

BACKGROUND:  

On April 30, 1996, a water use permit application was received from Charles Bostwick by the Commission on Water Resource Management (Commission), unsigned by the indicated landowner; upon staff suggestion, on June 10, 1996, a letter was received from the landowner authorizing the applicant to act in her behalf. A ninety-day deadline from June 10, 1996 is September 8, 1996.  

Public Notice was published in the Honolulu Advertiser issues of July 10 and July 17, 1996.  

ANALYSIS/ISSUES:  

The Commission attempts to hear Molokai applications on Molokai. The ninety-day deadline for action on this water use permit is August 6, 1996. The regular scheduled meeting is currently set for September 24, 1996.
RECOMMENDATION:

That the Commission continue the process for this application to the next regularly scheduled meeting on Molokai by deferring action on this application.

Respectfully submitted,

[Signature]

 Rae M. Loui
 Deputy Director

Exhibit: 1 (Location Map)

APPROVED FOR SUBMITTAL:

[Signature]

Michael D. Wilson, Chairperson
July 31, 1996

Ms. Rae M. Loui, Deputy Director
Department of Land and Natural Resources
Commission on Water Resource Management

Dear Ms. Loui:

RE: Application for a Water Use Permit for Well No. 0354-07, Kawela, Molokai, by Charles Bostwick, at TMK 5-5-01:07, 09

Thank you for your letters dated June 26, 1996 requesting comments to the referenced permit application. The application is consistent with the Molokai Community Plan and County zoning. Additional comments will be offered by the Mayor’s Office.

If you have any questions regarding this application, please contact William Spence at [redacted].

Very truly yours,

DAVID W. BLANE
Director of Planning

DWB:wrs
cc: William Spence
    Julie Higa
    Central File
    C:\DOCS\CORSPOND\BOSTWICK.2
Mr. Charles Bostwick 

Dear Mr. Bostwick:

Water Use Permit Application
Keoneku'ino-Bostwick Well (Well No. 0354-07)

We have been informed by the State Land Use Commission that two of the parcels listed on your water use permit application are in the State Conservation District: 5-5-1:9 & 19. As you may be aware, activities in the Conservation District require a Conservation District Use Permit (CDUP) from DLNR's Land Management Division.

Action by the Commission on Water Resource Management must be consistent with land use plans and permits; therefore, water use for those parcels without the CDUP cannot be approved until this permit is obtained. Please notify us when any such permits may be expected to be completed. Parcels without the need for CDUP can go before the Commission on the next meeting on Molokai, tentatively set for September 24, 1996.

If you have any questions, please call Charley Ice at [redacted] or toll-free at [redacted] extension [redacted].

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

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</table>
Mr. Michael D. Wilson, Chairperson  
Department of Land and Natural Resources  
Commission on Water Resource Management

Dear Chairperson Wilson:

RE: Application for a Water Use Permit for Well No. 0354-07, Kawela, Molokai, by Charles Bostwick, at TMK 5-5-01:07, 09

Thank you for your letter dated June 26, 1996 requesting comments and confirmation of zoning for the above-referenced parcel and permit application. I have consulted with the Director of Planning, David W. Blane, and he confirms that the proposed use of this water is consistent with our land use plans and policies.

You may wish to note that the Molokai Community Plan is currently before the County Council for revision. The designation for this parcel or proposed range of uses is not expected to change during this process.

If you have any questions regarding this determination, please contact the Planning Department at

Sincerely,

LINDA CROCKETT LINGLE  
Mayor, County of Maui

cc: William Spence  
Julie Higa  
Central File  
C:\DOCS\CORSPOND\BOSTWICK.WPD
TO: Aquatic Resources
Forestry and Wildlife/Natural Area Reserve System
Historic Preservation
Land Management
State Parks

FROM: Rae M. Loui, Deputy Director
Commission on Water Resource Management

SUBJECT: Request for Comments
Water Use Permit Application
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

We would appreciate your review of the attached application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [Contact Information]

Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached

Contact Person: Glenn Higashi
Phone: [Phone Number]

Signed: [Signature] Date: [Date]
MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: William Devick, Acting Director
Division of Aquatic Resources

SUBJECT: Comments on Application for a Water Use Permit, Kawela Ground Water Management Area, Molokai (TMK 5-5-01:7,9,19,26)

The applicant, Charles Bostwick proposes to drill a new well (Well No. 0354-07) in the Kawela Ground Water Management Area. A new pump will be installed that will withdraw 87,000 gallons of water per day that will be used for agricultural purposes.

The Division of Aquatic Resources has no objections to this request since the proposed project is not expected to have any significant impact on aquatic resource values in this area. However, since the applicant does not designate the location of the proposed well site, precautions should be taken to prevent drill cuttings, cutting extraction medium, sediment, pollutants, petroleum products and debris from possibly falling, blowing or leaching into the aquatic environment. In addition, we suggest that the site work be performed during periods of minimal rainfall and lands denuded of vegetation be replanted or covered as quickly as possible to control erosion.
TO:
Honorable Kali Watson, Director
Department of Hawaiian Home Lands
Honorable Lawrence Miike, Director
Department of Health
Ms. Esther Ueda, Executive Officer
Land Use Commission
Honorable Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs
Honorable Alice Lee, Chairperson
County Council
County of Maui
Mr. David Craddick, Director
Department of Water Supply
County of Maui
Mr. David Blane, Director
Planning Department
County of Maui

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

SUBJECT: Water Use Permit Application
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for
CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published
in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached
application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use
designations, programs, plans, or objectives specific to your organization or department only.
Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an
extension of the review period for this application, please contact Charley Ice at 587-5551.

Cl:ss
Attachment(s)

Response:

() We have no comments
() We have no objections
() Comments attached

Contact Person: Keoni Agard, Planning Office
Phone:

Signed: Hawai'i Governor
Date: 7/31/96
TO: Aquatic Resources  
Forestry and Wildlife/Natural Area Reserve System  
Historic Preservation  
Land Management  
State Parks

FROM: Rae M. Loui, Deputy Director  
Commission on Water Resource Management

SUBJECT: Request for Comments  
Water Use Permit Application  
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

We would appreciate your review of the attached application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Iee at [redacted].

CLASS  
Attachment(s)

Response:  
( ) We have no comments  
( ) We have no objections  
( ) Comments attached

Contact Person: Andrew M. Monden  
Phone: [redacted]

Signed: Andrew M. Monden  
Date: 7/23/96
TO: Honorable Kali Watson, Director
Department of Hawaiian Home Lands
Honorable Lawrence Miike, Director
Department of Health
Ms. Esther Ueda, Executive Officer
Land Use Commission
Honorable Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs
Honorable Alice Lee, Chairperson
County Council
County of Maui
Mr. David Craddick, Director
Department of Water Supply
County of Maui
Mr. David Blane, Director
Planning Department
County of Maui

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

SUBJECT: Water Use Permit Application
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use designations, programs, plans, or objectives specific to your organization or department only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [redacted].

Response:
We have no comments
We have no objections
Comments attached

Contact Person: LUIS A. MANRIQUE
Phone: [redacted]

Signed: LUIS A. MANRIQUE
Date: July 12, 1996
TO: 
Honorable Kali Watson, Director
Department of Hawaiian Home Lands

Honorable Lawrence Miike, Director
Department of Health

Ms. Esther Ueda, Executive Officer
Land Use Commission

Honorable Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Honorable Alice Lee, Chairperson
County Council
County of Maui

Mr. David Craddick, Director
Department of Water Supply
County of Maui

Mr. David Blane, Director
Planning Department
County of Maui

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

SUBJECT: Water Use Permit Application
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use designations, programs, plans, or objectives specific to your organization or department only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Lee at 1.

Class Attachment(s)
Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached

Contact Person: Lori N. Kajiwara
Signed: Lori N. Kajiwara
Phone: Signed: Date: 7-10-96
July 2, 1996

Michael D. Wilson, Chairperson
State of Hawaii
Department of Land and Natural Resources
Commission on Water Resource Management

SUBJECT: Charles Bostwick, TMK No. 5-5-01:7, 9, 19, 26, Notice of an Application for a Water Use Permit Kawela Ground Water Management Area, Molokai (Ref:CWRM-SS)

We received your letter of June 26, 1996, requesting my comments, within the next 60 days, on the subject application. The Planning Department will provide consolidated comments, on the form you provided, before the July 31, 1996, deadline.

If you have any questions, please call William Spence, staff planner at the Planning Department at 243-7855.

Sincerely,

LINDA CROCKETT LINGLE
Mayor, County of Maui

LCL:jh
cc: David Blane, Director of Planning
Charles Jencks, Director of Public Works and Waste Management

TO: Aquatic Resources
Forestry and Wildlife/Natural Area Reserve System
Historic Preservation
Land Management
State Parks

FROM: Rae M. Loui, Deputy Director
Commission on Water Resource Management

SUBJECT: Request for Comments
Water Use Permit Application
KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

We would appreciate your review of the attached application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at XXXX.

Response:
July 8, 1996

( ) We have no comments
( ) We have no objections
( ) Comments attached

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST.

Contact Person: Wayne Chang, Res. Mgmt. Forester

Signed: MICHAEL G. BUCK
Administrator

Date: July 8, 1996
TO: Honorable Kali Watson, Director
Department of Hawaiian Home Lands

Honorable Lawrence Miike, Director
Department of Health

Ms. Esther Ueda, Executive Officer
Land Use Commission

Honorable Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Honorable Alice Lee, Chairperson
County Council
County of Maui

Mr. David Craddick, Director
Department of Water Supply
County of Maui

Mr. David Blane, Director
Planning Department
County of Maui

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

SUBJECT: Water Use Permit Application
KAWELEI Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use designations, programs, plans, or objectives specific to your organization or department only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Lee at [redacted].

Cl: ss
Attachment(s)

Response:

☐ We have no comments
☐ We have no objections
☐ Comments attached

Contact Person: Bill Wang

Signed: Bill Wang

Phone: [redacted]

Date: 7/5/96
July 2, 1996

Mr. Michael D. Wilson, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources

Dear Mr. Wilson:

Subject: Water Use Permit Application
Kawela Ground Water Management Area, Molokai
Charles Bostwick (Well No. 0354-07)

We have reviewed the subject Water Use Permit Application as transmitted by your letter dated June 26, 1996, and have the following comments to offer:

1) We confirm that the areas identified in the subject application as the location of the proposed Bostwick Well No. 1 and the locations of the proposed water use, identified by the following tax map keys, are in the respective State Land Use Districts:

   TMK: 5-5-01: 7               Agricultural District
   5-5-01: 9                     Conservation District
   5-5-01: 19                    Conservation District
   5-5-01: 26                    Agricultural District.

2) For your information, we have enclosed a copy of the State Land Use Districts in the area of the subject application. We note that in this area, the Conservation/Agricultural District Boundary follows the mauka side of East Molokai Road.

3) We note that a quarry is located within TMK: 5-5-01: 11. The quarry, established and operated pursuant to a LUC Special Permit (LUC Docket Nos. SP73-148 and SP78-326/T.T. Meyer, Inc.), is located immediately west of TMK 5-5-01: 7.

We have no further comments to offer at this time.
As requested, we have enclosed the cover memo to the subject application.

Thank you for the opportunity to provide comments on this matter.

If you have any questions in regards to this matter, please feel free to contact me or Leo Asuncion of my staff at [redacted].

Sincerely,

ESTHER UEDA
Executive Officer

EU:th

Enclosures
TO: Honorable Kali Watson, Director  
Department of Hawaiian Home Lands

Honorable Lawrence Miike, Director  
Department of Health

Ms. Esther Ueda, Executive Officer  
Land Use Commission

Honorable Clayton H. W. Hee, Chairperson  
Office of Hawaiian Affairs

Honorable Alice Lee, Chairperson  
County Council  
County of Maui

Mr. David Craddick, Director  
Department of Water Supply  
County of Maui

Mr. David Blane, Director  
Planning Department  
County of Maui

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

SUBJECT: Water Use Permit Application  
KAWELEA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use designations, programs, plans, or objectives specific to your organization or department only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [redacted].

CI:ss  
Attachment(s)

Response:

() We have no comments
() We have no objections
() Comments attached

Contact Person: Esther Ueda  
Phone: [redacted]

Signed: [signature]  
Date: July 2, 1996
Mr. Charles Bostwick

Dear Mr. Bostwick:

Enclosed is a copy of the public notice for your water use permit application for Well No. 0354-07 which will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

Please be aware that there may be objections to your application. If objections are made, the objector is required to file such objections with the Commission and is also required to send you a copy of the objections.

You, or any other party, may respond to objections by filing a brief in support of your application with the Commission within ten (10) days of the filing of an objection. You, or the other party, must also send a copy of the response to the objector.

If you have any questions, please contact Charley Ice at [REDACTED].

Sincerely,

RAE M. LOUI
Deputy Director
TO: Aquatic Resources
     Forestry and Wildlife/Natural Area Reserve System
     Historic Preservation
     Land Management
     State Parks

FROM: Rae M. Loui, Deputy Director
     Commission on Water Resource Management

SUBJECT: Request for Comments
         Water Use Permit Application
         KAWELA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

We would appreciate your review of the attached application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [Redacted].

Cl:ss
Attachment(s)

Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
TO: Other Interested Parties

FROM: Rae M. Loui, Deputy Director
Commission on Water Resource Management

SUBJECT: Request for Comments
Water Use Permit Application
KAWELEA Ground Water Management Area, MOLOKAI

Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996.

We would appreciate your review of the attached application for any conflicts or interferences with the programs, plans, and objectives of the organization or agency that you represent. Written objections should be made in accordance with Section 13-171-18 of our Administrative Rules and must be filed by the July 31, 1996 deadline.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [Contact Information].

Cl: ss
Attachment(s)

Response:

( ) We have no comments
( ) We have no objections
( ) Comments attached

Contact Person: _____________________________ Phone: ____________

Signed: _____________________________ Date: ____________
INTERESTED OTHERS LIST

ADDITIONAL STANDARD CORRESPONDENCE

Mr. David Martin  Ms. Marjorie Ziegler
Native Hawaiian Advisory Council Sierra Club Legal Defense Fund, Inc.

IF FOR AQUACULTURE
Leonard Young, Aquacultural Development Program

ADDITIONAL STANDARD MAILING LIST FOR MOLOKAI

Ms. Sarah Sykes Mr. Brian Miskae
Mr. David Craddick, Director County of Maui
Maui Department of Water Supply Department of Planning

Mr. Pat Kawano Mr. Warren Haight
County Council
County of Maui

Ms. Judy Caparida Mr. Alan Holt
General Delivery The Nature Conservancy of Hawaii

Mr. Wayne Meyer Mr. Bob Johnson

Ms. Colette Machado Economic Development Coordinator
County of Maui Office of the Mayor

Mr. Wayne Meyer Ms. Noelani Joy

Mr. William F. Pfeil Joy Farm

Mr. DeGray Vanderbilt Mr. Walter Ragsdale

Mr. Ben Henderson
Planning Office
Department of Hawaiian Home Lands

Mr. Larry Jelts

Ms. Sri Ten Cate  
Molokai Public Libraries

Dear Ms. Cate:

Please find enclosed 1) a copy of an application for water use permit and 2) the public notice for the application that will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996. We request your assistance in posting the enclosed items at the Molokai Public Library for public review and access.

Thank you for your consideration in this matter. If you have any questions, or are unable to accommodate this request, please contact Charley Ice at [redacted].

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Attachments
Mr. Tommy Matayoshi  
Department of Agriculture  
Molokai Irrigation Service

Dear Mr. Matayoshi:

Please find enclosed 1) a copy of an application for water use permit and 2) the public notice for the application that will be published in the Honolulu Advertiser issues of July 10, 1996 and July 17, 1996. We request your assistance in posting the enclosed items on the DOA bulletin board in Hoolehua.

Thank you for your consideration in this matter. If you have any questions, or are unable to accommodate this request, please contact Charley Ice at ___________.

Sincerely,

RAE M. LOUI
Deputy Director

CI:ss

Attachments
Transmitted for your review and comment is a copy of a water use permit application for CHARLES BOSTWICK for Well No. 0354-07. Public notice of this application will be published in the Honolulu Advertiser issues of July 10 and July 17, 1996.

We would appreciate your review of the proposed use that is described in the attached application (i.e. line item 6 or Table 1) for any conflicts or inconsistencies with the land use designations, programs, plans, or objectives specific to your organization or department only. Please respond by returning this cover memo form by July 31, 1996.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Charley Ice at [phone number].
Honorable Linda Crockett Lingle, Mayor
County of Maui

Dear Mayor Lingle:

Notice of an Application for a Water Use Permit
KAWELA Ground Water Management Area, MOLOKAI

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit application for the CHARLES BOSTWICK for Well No. 0354-07, which will be published in the Honolulu Advertiser.

In addition, Section 13-171-13(b) of our Administrative Rules states:

"Within sixty days after receipt of notice of a permit application, the county shall inform the commission if the proposed use is inconsistent with the county land use plans and policies."

We have attached a copy of the application for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.

Very truly yours,

Michael D. Wilson
Chairperson

Enclosures
PUBLIC NOTICE

Applications for Water Use Permits
Ground Water Management Areas, Oahu and Molokai

The following applications for water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas."

Opana (Well No. 4100-02)
Applicant: The Estate of James Campbell

Date Completed Application Received: May 24, 1996
Aquifer: Koolauloa System, Windward Sector, Oahu
Water Source: Opana Well (Well No. 4100-02) at Kawela, Oahu, Tax Map Key 5-7-1:21
Quantity Requested: 360,000 gallons per day.
New Water Use: Irrigation supply for 160 acres diversified agriculture
Place of Water Use: Kawela at Tax Map Key: 5-7-1:21

Kapolei Irr A, B, & E (Well Nos. 2003-01,02,05)
Applicant: Kapolei People's, Inc.

Date Completed Application Received: June 10, 1996
Aquifer: Puuloa System, Ewa Caprock Sector, Oahu
Water Source: Kapolei Irr A,B,&E (Well Nos. 2003-01,02,05) at Kapolei Golf Course, Oahu, Tax Map Key 9-1-16:25
Quantity Requested: 1,000,000 gallons per day.
New Water Use: Irrigation supply for Kapolei Golf Course
Place of Water Use: 91-701 Farrington Hwy., Kapolei, HI at Tax Map Key: 9-1-16:25

EP 22, Wells 1 to 5 (Well Nos. 1900-02, 17 to 20 & 1901-03)
Applicant: Hawaii Prince Golf Club

Date Completed Application Received: June 12, 1996
Aquifer: Puuloa System, Ewa Caprock Sector, Oahu
Water Source: EP 22, Wells 1 to 5 (Well Nos. 1900-02, 17 to 20, & 1901-03) at 91-1200 Fort Weaver Rd., Oahu, Tax Map Key 9-1-10:6
Quantity Requested: 900,000 gallons per day.
Existing Water Use: Irrigation supply for 190-ac Hawaii Prince Golf Course
Place of Water Use: 91-1200 Fort Weaver Rd., Ewa Beach, HI at Tax Map Key: 9-1-10:6
Request is to modify existing water use permit (WUP No. 152) to include all six (6) Hawaii Prince wells.

Applicant: Kamehameha Schools/Bishop Estate

a. Keawanui Dug Well (Well No. 0350-01)
b. Kamalo-Bishop Dug Wells #1-3 (Well Nos. 0353-06 to 08)
   Naehu Dug Well (Well No. 0353-01)
   Kamalo-Bishop Aquaculture Well (Well No. 0353-05)
Date Completed Application Received: May 8, 1996
a. **Aquifer:** Ualapu'e System, Southeast Sector, Moloka'i  
**Water Source:** Keawanui Well (Well No. 0350-01) at Keawanui, Mana'e, Tax Map Key 5-6-6:24  
**Quantity Requested:** 240,000 gallons per day.  
**New Water Use:** Aquaculture  
**Place of Water Use:** Keawanui at Tax Map Key: 5-6-6:24

b. **Aquifer:** Kawela System, Southeast Sector, Moloka'i  
**Water Source:** Kamalo-Bishop Dug Wells #1-3 (Well Nos. 0353-06 to 08) at Tax Map Key 5-5-2:30,32,36, Kamalo-Bishop Aquaculture Well (Well No. 0353-05) at Tax Map Key 5-5-2:30, Naehu Dug Well (Well No. 0353-01) at Tax Map Key 5-5-2:16, Kamalo, Mana'e.  
**Quantity Requested:** 0353-06 to 08: 144,000 gallons per day, each;  
0353-05 and 0353-01: 72,000 gallons per day, each.

**Applicant:** Charles Bostwick  
Keoneku'ino-Bostwick Well (Well No. 0354-07)  
**Date Completed Application Received:** June 17, 1996  
**Aquifer:** Kawela System, Southeast Sector, Moloka'i  
**Water Source:** Keoneku'ino-Bostwick Well (Well No. 0354-07) at Keoneku'ino, Mana'e, Tax Map Key 5-5-1:7  
**Quantity Requested:** 25,000 gallons per day.  
**New Water Use:** Domestic and Irrigation  
**Place of Water Use:** Keoneku'ino at Tax Map Key: 5-5-1:7

Written objections or comments on the above applications may be filed by any person who has property interest in any land within the hydrologic unit of the source of water supply, any person who will be directly and immediately affected by the proposed water use, or any other interested person. Written objections shall: (1) state property or other interest in the matter (provide TMK information); (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; and (3) state all grounds for objections to the proposed permit. Written objections must be received by July 31, 1996. Objections must be sent to 1) the Commission on Water Resource Management, [address redacted] and 2) the applicants at the above addresses.

COMMISSION ON WATER RESOURCE MANAGEMENT

[Signature]

RAE M. LOUI, Deputy Director for  
MICHAEL D. WILSON, Chairperson

Dated: 6/24/96

Publish in: Honolulu Advertiser issues of July 10 and 17, 1996
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. 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 587-0225.

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax:
   (a) WELL OWNER
   FirmName Charles Bostwick
   Contact Person
   Address
   (b) LANDOWNER
   FirmName
   Contact Person
   Address
   (c) CONTRACTOR
   FirmName
   Contact Person
   Address
   Contractor's C-57 License No.

2. WELL LOCATION NAME: Bostwick Well NO. 1 Island Molokai
   Address East Molokai, Keonokuino
   Tax Map Key 5-017, 9, 19, 26
   (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 [ ] Radial [ ] Modify Pump
   [ ] Abandon/Seal [ ] Replace Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

   (b) WELL TYPE: [ ] Dog [ ] 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: 35 gallons per minute
   Pump Type: [ ] Deep Well Turbine [ ] Rotary [ ] Propeller [ ] Diesel
   [ ] Submersible [ ] Rotary-Displacement [ ] Reciprocating [ ] Gas
   [ ] 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 syst.) [ ] Industrial
   [ ] Irrigation (crop) [ ] Other (explain) __

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 25,000 gallons per day

6. (b) METHOD OF FLOW MEASUREMENT: [ ] Flow-meter [ ] Open-pipe [ ] Office Plate [ ] Weir

7. PENDING ACTIONS: [ ] CDUA [ ] SMA [ ] 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 constitute a determination of concomitant water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner
Charles Bostwick
Signature

Landowner
Florence Schultz 1/12 et al
Signature

Contractor
Signature

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Date

Latitude
Longitude
Aquifer System Name: #
State Well No.: 0254-97
9. PROPOSED WELL SECTION

Elevation at top of casing: 41 ft, msl

Ground Elevation: 40 ft, msl

Cement Grout: 3 ft.

Rock Packing: 0 ft.

Hole Diameter: 5-7/8 in.

Total Depth: 70 ft.

Solid Casing:
Material: sch. 40 black pipe
Length: 40 ft
Diameter: 4 in
Wall Thickness

Casing: [ ] Perforated [ ] Screen
Material: none
Length
Diameter
Wall Thickness
Openings

Open Hole:
Length: 30 ft
Diameter: 3-7/8 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.*
April 29, 1996

Commission on Water Resource Management

Enclosed please find the original and 15 copies of an application for a Water Use Permit. Also enclosed is my check in the amount of $25.00 in payment for the filing fee.

As my office is representing the applicant, please communicate the findings of the Commission directly to me.

Sincerely yours,

David W. Curtis

c: Charles Bostwick

The enclosed check was inadvertently left out of the application package.

[Signature]
April 29, 1996

Commission on Water Resource Management

Enclosed please find the original and 15 copies of an application for a Water Use Permit. Also enclosed is my check in the amount of $25.00 in payment for the filing fee.

As my office is representing the applicant, please communicate the findings of the Commission directly to me.

Sincerely yours,

[Signature]
David W. Curtis

c: Charles Bostwick
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<th>YR</th>
<th>APP</th>
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<td>TOTAL 25.00</td>
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</table>

REMARKS: LINE (1) Well No. 0354-07 (WUPA)
LINE (2)
LINE (3)
LINE (4)

Bank of Hawaii
KAUNAKAKAI BRANCH, KAUNAKAKAI, HAWAII

PAY TO THE ORDER OF Dept of Land & Natural Resources $25.00

DAVID W CURTIS, ARCHITECT, AIA

For

[Signature]
APPLICATION FOR WATER USE PERMIT

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

APPLICATION FOR WATER USE PERMIT

Instructions: Please print in ink or type and send completed application with attachments plus 15 copies to the Commission on Water Resource Management. 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 808-587-0226 (neighbor islands: 808-444-1644).

PERMIT INFORMATION
1. (a) APPLICANT: Charles Bostwick
   Firm Name: ____________________________
   Contact Person: ________________________
   Phone: ________________________________
   Fax: ________________________________

   (b) LANDOWNER OF SOURCE: Florence Schultz 1/12 et al
   Firm Name: ____________________________
   Contact Person: ________________________
   Address: _______________________________
   Phone: ________________________________
   Fax: ________________________________

SOURCE INFORMATION
2. WATER MANAGEMENT AREA: Kawela
   ISLAND: Molokai
3. (a) EXISTING WELL/DIVERSION NAME AND STATE NUMBER: none
   (b) PROPOSED (NEW) WELL/DIVERSION NAME: Bostwick Well No. 1
   (c) LOCATION: Address: East Molokai, Keonokuino Tax Map Key 5 - 5.01:7, 1, 26
      (Attach a USGS map, scale 1"=2000', and a property tax map showing source location referenced to established property boundaries.)

4. SOURCE TYPE (check one): [ ] Stream [ ] Well [ ] Diverted Surface [ ] Other (explain)
5. METHOD OF TAKING WATER (check one): [ ] Water & Pump [ ] Dike-confined [ ] Other (explain)

USE INFORMATION
6. LOCATION OF PROPOSED WATER USE: (if possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) PUC-Regulated System [ ] Intended Dedication to Dept/Board of Water Supply [ ] Non-PUC-Regulated Private System
   (b) Proposed use of water is: [ ] Existing [ ] New [ ] Both existing & new uses
      Tax Map Key: 5 - 5.01:7, 1, 26
      Method of use is over multiple TMKs, please complete Table 1 on back of application
      Address: _______________________________
      Current State Land Use District(s): [ ] Urban [ ] Agriculture [ ] Conservation [ ] Rural
      Current County Zoning District(s): _______________________________

7. QUANTITY OF WATER REQUESTED: 1,000 gpd/ac=87,000 gpd gallons per day (averaged over 1 year)
8. METHOD OF MEASUREMENT: [ ] Flowmeter [ ] Open-pipe [ ] Weir [ ] Orifice [ ] Other (explain)
9. QUALITY OF WATER REQUESTED: [ ] Fresh [ ] Brackish [ ] Sat [ ] Potable [ ] Non-Potable

10. PROPOSED USE: [ ] Municipal (including hotels, stores, etc.) [ ] Industrial [ ] Military [ ] Irrigation [ ] Other (explain)

   [ ] Individual Domestic [ ] Military
   [ ] Other (explain)

   For questions 11 & 12: If multiple TMKs are involved where water is to be used, please complete Table 1 on back of application.
11. TOTAL NUMBER OF RESIDENCES TO BE SERVED: _______________________________
12. TOTAL ACRES TO BE IRRIGATED AND TYPE OF CROP: 87 ac. agriculture
    (acres) (crop)
13. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: intermittent over 24 hours
    (daytime hours of operation, ex. 7 a.m. to 2 p.m.)
14. APPLICANT MUST ESTABLISH THAT THE PROPOSED USE OF WATER:
    (a) Can be accommodated with the available water source.
    (b) Is a reasonable-beneficial use as defined in section 13-171-2, HAR. (see backside of this application)
    (c) Will not interfere with any existing legal use.
    (d) Is consistent with the public interest.
    (e) Is consistent with state and county general plans and land use designations.
    (f) Is consistent with county land use plans and general policies.

   TIONS: (see backside of this application)

   If the signatures understand and swear that: 1) the information provided on this application is accurate and
   2) Item 14 is the responsibility of the applicant prior to Commission approval; 3) If necessary, further
   the application is considered complete; 4) If a water use permit is granted by the Commission, this permit
   ted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the
   lands future uses; and 5) Upon permit approval, a water shortage plan must be submitted by the applicant.

   Landowner (print) _______________________________
   Signature: _______________________________
   Date: _______________________________

   Applicant (print) _______________________________
   Signature: _______________________________
   Date: _______________________________
"Reasonable-beneficial use" means the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest.

15. REMARKS, EXPLANATIONS (cont'd): The purpose of developing a water source on this property with a state land use designation of Agriculture is to provide irrigation for a citrus or other marketable crop on the upper mauka portion which contains arable soil and is not too steep. Judging from the production other wells in this area it is reasonable to plan on sufficient flow to irrigate at least 40 to 50 acres. This would constitute a water use which is not wasteful and would be consistent with the state and county land use plans for this area (see Molokai Community Plan dated January, 1984 and revisions dated in 1994.)

### TABLE 1. MULTIPLE TMKs TO USE REQUESTED WATER

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>TMK</th>
<th>CURRENT COUNTY ZONING CODE</th>
<th>UNITS or NET ACRES</th>
<th>GPD/UNIT or GPD/ACRE</th>
<th>TOTAL GPD</th>
<th>% OF TOTAL TO BE USED OVER NEXT 4 YEARS</th>
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<td>Bostwick Well No.</td>
<td>5-5-01-7</td>
<td>Ag</td>
<td>81.86</td>
<td>1,000</td>
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<td>5-5-01-9</td>
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<td>5-5-01-19</td>
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<td>87,530</td>
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</tbody>
</table>

For Official Use Only:

Date Received: ___________  Hydrologic Unit No. ___________  Diversion Works No. ___________

Date Accepted: ___________  Application No. ___________  State Well No. ___________

01/05/96 WUPA Form
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: ROY  
TO: CHONG, R.  
DANBARA, S.  
ERSBAK, K.  
FUJI, N.  
GOMEZ, B.  
HARDY, R.  
HOAGBIN, S.  
ICE, C.  

DATE: 9/21/12  
INITIAL TO: IMATA, R.  
KIMURA, J.  
OHYEE, L.  
TAM, W.  
TU, D.  
UYENO, D.  
YODA, K.  
YOSHINAGA, M.  

INITIAL FOR: Approval  
Signature  
Information  

SUSPENSE DATE:  
INITIAL FOR: Approval  
Signature  
Information  

PLEASE: See Me  
Review & Comment  
Take Action  
Type Draft  
Type Final  
File  
Xerox ___ copies  

9/21/12  
please update classification in menu & make links for contacts

Did we ever issue LOA about SWG need?  
still not built  

[Handwritten notes]

- never got that for Recommendation of approved minor SWG contingent upon archeological report prior to installation, other conditions following

- can move forward w/ permit(s)?  
  no

- true parcel 026?  
  026 is remnant parcel after drill crossed Eipepe Fishpond; is location of remnant pond

- 2013  
  026 is remnant parcel after drill crossed Eipepe Fishpond; is location of remnant pond

- Still not paid  
  (check for filing, pending approval of minor permit)
MEMORANDUM

TO: Mr. John Sprinzel, Chair and Members of the Molokai Planning Commission

FROM: Clayton I. Yoshida, AICP, Planning Program Administrator for William Spence, Planning Director

SUBJECT: HARVEY TEVES FARM SOLAR PUMP AND WATER LINE INSTALLATION, MILE MARKER 8.25, 4481 KAMEHAMEHA V HIGHWAY, KEONEKUIKO, ISLAND OF MOLOKAI, HAWAII; TMK(S): (2) 5-5-001:007 and (2) 5-5-001:026 (SMX 2011/0535)

THE APPLICATION

This matter arises from an application for a Special Management Area (SMA) Assessment filed on December 13, 2011. The application was filed, pursuant to Chapter 205A, Hawaii Revised Statutes (HRS), and Chapter 302 of the Special Management Rules (SMA) of the Molokai Planning Commission (Commission) by Harvey Teves, Applicant and owner of an 82.98 acre parcel, in the ahupua'a of Keonekuino, and a 0.52 acre parcel with a pond adjacent to the highway, at Mile Marker 8.25, 4481 Kamehameha V Highway in Keonekuino. Both subject parcels are in the State Agricultural Land Use District, Molokai Community Plan Land Use AG (Agriculture), and County of Maui Zoning District of Agriculture (Ag), identified as Maui Tax Map Keys (TMK) No. 5-5-001:007 and 026 (Properties). (Attachment 'A', Exhibits 1-12)

The Applicant is requesting SMA review for installation of a solar operated submersible pump into an existing pond, water line running a distance of two hundred eighty feet (280') from the pump to a water storage tank above the barn, and a standpipe next to the barn. The water is needed for fire protection and agricultural purposes in order to keep a 10,000 gallon water storage tank filled. The driveway, power pole, barn, individual wastewater treatment system (IWS), and well were previously reviewed and exempted by the Commission on March 12, 2009 (SMX 2008/0324, SM5 2009/0077).

BRIEF HISTORY OF THE APPLICATION

The subject application was presented to the Commission on March 14, 2012 for concurrence with the Department's recommendation that it was eligible for a SMA Exemption (See Exhibit 1). At the hearing, the Commission determined that the project qualified as a "development" pursuant to Chapter 205A-22, and the Department of Planning (Department) prepared a Findings of Fact, Conclusions of Law, Decision and Order outlining the reasons for this decision. (See Exhibit 2).
APPLICABLE REGULATIONS

Standards for reviewing an SMA application are found under HRS 205A-26 and Sections 12-302-10 and 12-302-11 of Chapter 302, SMA Rules of the Commission, as amended. In addition, the proposed action is also subject to Maui County Code (MCC), as amended: Title 19 Zoning, Section 19.30A, Agricultural District zoning regulations.

GENERAL DESCRIPTION

Description of the Properties

<table>
<thead>
<tr>
<th>TMK</th>
<th>Description</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) 5-5-001:007</td>
<td>Existing partially developed agricultural lot with barn, Well No. #0354-07, water storage tank, storage container, power pole and driveway (SM5 2009/0077)</td>
<td>82.98</td>
</tr>
<tr>
<td>(2) 5-5-001:026</td>
<td>Vacant parcel created by the Department of Transportation in 1947 during re-location of Kamehameha V Highway 450. The lot is the site of a spring-fed freshwater pond proposed as a source of water for fire protection and agricultural irrigation.</td>
<td>0.521</td>
</tr>
</tbody>
</table>

Existing Services

Water is being supplied to TMK 5-5-001:007 via an approved well, but is unable to provide an adequate supply for fire suppression and agricultural irrigation. Electric services are being supplied by Maui Electric Company (MECO). The properties do not have access to the Kaunakakai Wastewater Treatment Facility and the larger lot has an installed individual wastewater system that was exempted from the SMA Rules by the Commission previously. Access to the project site is from Kamehameha V Highway.

DESCRIPTION OF THE PROJECT

As described above, the project consists of installation of: a solar operated submersible pump to be placed in an existing pond with an amended well permit, a new ground water permit to be issued after SMA review is complete, a one inch (1") water line buried twelve inches (12") under existing grade running a distance of approximately two hundred eighty feet (280') from the pump to a 10,000 gallon water storage tank located above the barn and outside of the SMA, and a standpipe next to the barn. The water is needed for fire protection and agricultural purposes, and maximum withdrawal of water at any one time will be 45,000 gallons per day (gpd) in order to keep the water storage tank filled. A farm dwelling will be constructed outside of the SMA near the storage tank at a later date. A driveway, power pole, barn, individual wastewater system, and well were previously reviewed and exempted by the Commission on March 12, 2009 (SMX 2008/0324, SM5 2009/0077).

The Properties do not lie adjacent to the shoreline; therefore the action is not subject to the Molokai Shoreline Rules.
The Properties are in flood zone X, "Area determined to be outside the 0.2% annual chance floodplain," and a Special Flood Hazard Area Development Permit is not required. Therefore it is not anticipated that the project will affect an environmentally sensitive area, such as flood plain, shoreline, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh waters, or coastal waters.

ENVIRONMENTAL, CULTURAL AND HISTORIC RESOURCES

It is not anticipated that the project will have an adverse effect on the quality of the environment. The proposed action consists of installation of a solar operated submersible pump into an existing pond under a second well permit, water line, and standpipe, in order to provide water for fire protection and limited irrigation in the operation of a farm on an existing partially developed agricultural lot in the Agricultural District. The previously approved well is not producing adequate flow to satisfy fire suppression requirements and irrigation needs. There will be minimal ground disturbance to a maximum depth of twelve inches (12") for installation of PVC pipe.

According to the Commission on Water Resource Management (CWRM) the Kawela aquifer system has a sustainable yield of 5.0 million gallons per day (mgd). Fifteen (15) water use permits, including the applicant's existing permit, have been issued by the state for withdrawal from the Kawela aquifer, for a combined maximum withdrawal of 0.803 mgd, or sixteen percent (16%) of the total sustainable yield; eighty-four percent (84%) of the sustainable yield remains untouched. The applicant is permitted to withdraw less than one percent (1%) of the total sustainable yield. CWRM has determined that the requested withdrawal of water will not impact the hydrology in the area.

The State Historic Preservation Division (SHPD), in a letter dated August 31, 2012, stated that the nearby Kipapa Fishpond (SIHP 50-60-04-150) is listed on the National Register of Historic Places (5/13/1974) as well as the Hawaii Register of Historic Places (5/18/1981), and they have concerns that the fresh water pond that is proposed to be tapped is an integral part of Kipapa Fishpond, and that this project could potentially impact the setting integrity or condition of the site. SHPD therefore requested that an archaeological inventory survey of the project area be carried out in order to identify historic properties and assess the potential effect this project may have on historic properties.

Therefore, until an archaeological inventory survey, along with any required mitigation, is carried out, it cannot be determined that there will be no irrevocable commitment to loss or destruction of any natural or cultural resources.

Pursuant to Section 12-202-12 Assessment and determination procedures, Section 12-202-12(d), the Assessment application shall be reviewed as follows:

SPECIAL MANAGEMENT AREA ASSESSMENT – FINDINGS OF FACT

In accordance with the SMA Rules for the Commission, a determination has been made relative to the above project that:
1. The project is a development ("Placement or erection of any solid material or any gaseous, liquid, solid, or thermal waste" and "Grading, removing, dredging, mining, or extraction of any materials");

2. The project has a valuation not in excess of $500,000.00; (Valuation is $2,500.00)

3. The Property does not lie adjacent to the shoreline area; therefore, is not subject to the Molokai Shoreline Rules.

4. The project is in the "X" flood zone ("area determined to be outside the 0.2% annual chance floodplain"), per written confirmation by the Department's Zoning Administration and Enforcement Division (ZAED), and a Special Flood Hazard Area Development Permit is not required;

5. The project will not have significant adverse, environmental, or ecological effects, taking into account potential cumulative effects, and provided permits are obtained from the CWRM and all other recommended mitigations are incorporated into the project;

6. The project may impact historic sites and/or site remnants of archaeological and/or cultural significance. Therefore, prior to initiation of the project, an archaeological inventory survey is to be submitted to the SHPD for acceptance, and any required mitigation is to be incorporated into the project; and

7. The project is consistent with the objectives, policies, and SMA guidelines set forth in the HRS, Chapter 205-A, and is consistent with the County General Plan and Zoning.

In consideration of the above determination, a SMA Minor Permit is required for the proposed action.

**RECOMMENDATION**

Pursuant to the aforementioned, the Department recommends approval of the SMA Minor Permit, subject to the following conditions:

1. That the Applicant shall submit an archaeological inventory survey to SHPD for acceptance, and that any required mitigation be incorporated into the project prior to initiation of construction.

2. That the Applicant shall submit a copy of the archaeological inventory survey and proposed mitigation to the Department prior to initiation of construction.

3. That the Applicant shall incorporate Department of Water Supply recommendations into the project, including:
Mr. John Sprinzel, Chair  
and Members of the Molokai Planning Commission  
September 26, 2012  
Page 5

- Install an approved back-flow prevention device. The device will prevent the reverse flow of water and possible contaminants into the groundwater;  
- Inspect exposed parts of the well periodically for problems such as cracked or corroded well casing, broken or missing well cap, damaged protective casing, and the settling or cracking of surface seals;  
- Provide for sediment removal and well cleaning as necessary;  
- Have the well tested once a year for fecal coliform and other pathogens of concern;  
- Avoid mixing or using pesticides, fertilizers, herbicides, degreasers, fuels or other pollutants near the well; and  
- Keep accurate records of any well maintenance, such as disinfection or sediment removal, that requires the use of chemicals in the well.

4. That the Applicant shall review with the Fire Prevention Bureau all permits prior to construction, including water tank, structural, pump specifications and water line configuration.

5. That the Applicant shall install water efficient fixtures implement water efficient practices throughout the development to reduce demand on area's freshwater resources.

6. That the Applicant shall employ best management practices (bmp) for stormwater management to minimize the impact on the area's existing hydrology, maintain onsite filtration and prevent polluted runoff from storm events.

7. That full compliance with all other governmental requirements shall be rendered.

Attachments

xc: Jeffrey P. Dack, AICP, Current Planning Supervisor (PDF)  
Livit U. Callentine, AICP, Interim Molokai Planner (PDF)  
Stanley Solamillo, Cultural Resource Planner (PDF)  
Suzette Esmeralda, Secretary to Boards and Commissions (PDF)  
Nina-Lehua Kawano, Molokai Clerk (PDF)  
Harvey Teves, Owner  
Charley Ice, Commission on Water Resource Management  
Theresa Donham, State Historic Preservation Division (Big Island Office)  
Jenny Pickett, State Historic Preservation Division (Maui Office)  
Department of Water Supply  
Department of Fire & Public Safety, Fire Prevention Bureau  
Project File  
General File
The Maui County Tax Assessor's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.
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<table>
<thead>
<tr>
<th>Parcel Information</th>
<th>550010025000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>3.7</td>
</tr>
<tr>
<td>Name</td>
<td>FLUG, PRINCI ANN</td>
</tr>
<tr>
<td>Mailing Address</td>
<td>1325 JACOBSON WAY MONMOUTH OR 97361</td>
</tr>
<tr>
<td>Situs/Physical Address</td>
<td>MAKOLELAU-KAMALO</td>
</tr>
<tr>
<td>Assd Land Value</td>
<td>$28,100.00</td>
</tr>
<tr>
<td>Assd Building Value</td>
<td>$0.00</td>
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<tr>
<td>Total Assd Value</td>
<td>$28,100.00</td>
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<tr>
<td>Exempt Value</td>
<td>$0.00</td>
</tr>
<tr>
<td>Taxable Value</td>
<td>$28,100.00</td>
</tr>
</tbody>
</table>

Recent Sale Information

Legend

Measure

The Maui County Tax Assessor's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

**MEMO and ROUTE SLIP**

WCR 1 Check for Well No. **0354-07** (GW regulation route) **Teves (Eastwick)**

<table>
<thead>
<tr>
<th>1. From Roy</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial entry in to well index</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ingrid's spreadsheet updated needed/done</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

**Pump Tests Check**

- Step-Drawdown Test: followed WCPI Stds analysis attached | ☐ | ☐ | ☐<70 gpm no test required
- Constant Rate Test: followed WCPI Stds analysis attached | ☐ | ☐ | ☐<50 gpm no test required
- Potential Well Interference: | ☐ | ☐ |
- Potential Stream Impacts: | ☐ | ☐ | If yes, stream name(s):
- Additional Testing or Data Required: | ☐ | ☐ |
- Pump Test Comments Attached: | ☐ | ☐ |
- Proposed Pump Capacity is OK.: | ☐ | ☐ |

<table>
<thead>
<tr>
<th>2. Well Log Check</th>
<th>Yes</th>
<th>No</th>
<th>NA</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology Code for Well index</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Fm Name: Jeremy</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Construction Check</th>
<th>Yes</th>
<th>No</th>
<th>NA</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charley Ryan</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>(initial)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>data complete</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>followed Special Cond &amp; elevations</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>location unchanged from WCPI/PA?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
<tr>
<td>If yes, is SMA, CD, TMK changed?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>------------------------------</td>
</tr>
</tbody>
</table>

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT (2x):**

1. COVER LETTER
2. COUNTY COMMENTS (DWS/SMA)
3. DOH COMMENTS
4. DLNR COMMENTS (LD/OCCUP/DHP)
5. WCR 1 Accept
6. WELL CONST. COMPLETION CERTIFICATE
7. USGS MAP UPDATED
8. PARCEL CHECK
9. WELL DATABASE INPUT CHECK
10. PUMP TEST WORKSHEET
11. WELL As-Built CHECK PRINT

4. Roy (initial) check (Entered WCR 1/WCCC accept date into database)
5. Susan H. (initial) finalize
6. Bill (initial) signature
7. Charley Ryan File & Enter PIP issue date if attached/required
Mr. Clift Cullen
C&H Well Drilling

Dear Mr. Cullen:

**Well Completion Report Part I for Well No. 0354-07**

We received your request for a variance to accompany Well Completion Report Part I for the Keonekuino-Teves Well (Well No. 0354-07) on **October 24, 2011**. We approve the variance for well construction and acknowledge that the well construction report is complete.

This completes your obligation under the well construction permit. A certificate of well construction completion will be issued to the well operator/landowner and you will receive a copy. This certificate transfers responsibility of specific aspects of well usage and maintenance from you to the well operator/landowner.

If you have any questions, please contact Charley Ice of the Commission staff at [redacted] (Lanai & Molokai).

Sincerely,

WILLIAM M. TAM
Deputy Director

CI:ss

c: Harvey Teves
MEMO and ROUTE SLIP (ver. 5/11/10) 08/05/11

WCR 1 Check for Well No. 0354-07 (GW regulation route)

1. From Roy ______ (initial) Yes No
   Initial entry in to well index
   Ingrid’s spreadsheet updated needed/done

   Pump Tests Check
   Step-Drawdown Test: followed WCPI Stds
   analysis attached
   Constant Rate Test: followed WCPI Stds
   analysis attached
   Potential Well Interference:
   Potential Stream Impacts:
   Additional Testing or Data Required:
   Pump Test Comments Attached:
   Proposed Pump Capacity is OK:

2. Well Log Check Geology Code for Well Index: _______ Fm. Name: _______ Jeremy _______ (initial)

3. Construction Check Charley Ryan ______ (initial)
   data complete
   followed Special Cond & elevations
   location unchanged from WCP/PA?
   If yes, is SMA, CD, TMK changed?
   If no, describe deficiency

   ATTACHMENTS FOR PUMP INSTALLATION PERMIT (2x):
   1 COVER LETTER
   2 COUNTY COMMENTS (DWS/SMA)
   3 DOH COMMENTS
   4 DLNR COMMENTS (LD/OCCL/DHP)
   5 WCR 1 Accept
   6 WELL CONST. COMPLETION CERTIFICATE
   7 USGS MAP UPDATED
   8 PARCEL CHECK
   9 WELL DATABASE INPUT CHECK
   10 PUMP TEST WORKSHEET
   11 WELL As-Built CHECK PRINT

   4. Roy ______ (initial) check (Entered WCR 1/WCCC accept date into database)
   5. Susan H. ______ (initial) finalize
   6. Dill ______ (initial) signature
   7. Charley Ryan File & Enter PIP issue date if attached/required

   ----- To be sent to driller/pump installer
   ---- To Landowner
   -------- Staff internal checks
   {5 enumerated input
   red penciled completed location too.

   not necessary – only WCP or BOTH.
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
WELL COMPLETION REPORT - PART I
Well Construction

Instructions: Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at . For updates to this form or additional information, please visit our website at http://www.state.hi.us/dlnr/cwrm/

1. State Well No.: 0354-07  Name: KEWAIKUINO - TEVES  Island: MAUNALOI

2. Address: KAMEHAMEHA HWY (8670 WAIKAMOE)  Tax Map Key: 5-5-001-007

3. Drilling Company: CLIFF C. CULLEN, C+H WEL DRILLING

4. Drilling method used during construction:  □ Rotary  □ Percussion  □ Other (describe)

5. Date Well Construction (drilled, cased, grouted) completed: SEPT 6, 2008  Attach completed Driller's Log

6. Was the subject well cored?  □ Yes  □ No

7. Step-Drawdown Test completed?  □ No  □ Yes  Attach Step-Drawdown Test form (12/17/97 SDPTD Form)

8. Constant Rate Aquifer Test completed?  □ No  □ Yes  Attach Constant Rate Aquifer Test form (12/17/97 CRPTD Form)

Water Level Data:

<table>
<thead>
<tr>
<th>Reference point elevation</th>
<th>Depth to water (feet)</th>
<th>Water Level ft above mean sea level (see note below)</th>
<th>Date/time of measurement</th>
</tr>
</thead>
</table>
| Ground = 15 ft. msl       | 14                   | 9.10.30                                             | 2 GPM
| Ground = 17.5 ft. msl     | 14.5                 | 9.10.30                                             | 2 GPM

Note: for all elevations referenced to mean sea level, take the ground elevation (surveyed or estimated if survey not required at this time) and subtract the depth to the water level.

9. Initial encountered during drilling (this should also be filled in on the driller's log)

10. Just prior to casing installation (this information should be before any pump tests are performed with casing installed)

11. After casing installation (if this reference point is not the benchmark, the difference between the benchmark and this point is):

Chloride: 25 ppm  Temperature: 70 °F

12. As-built section filled in completely  V

13. Photograph of well and concrete pad showing benchmark on concrete pad attached  □

14. GPS coordinates provided in degrees, minutes, seconds  V

15. If a pump is not planned to be installed, please describe (below in the remarks section) how well is secured to prevent unauthorized access (example: lockable cover, threaded coupling, etc.)

16. Remarks: TEMPORARY SUBMERSIBLE PUMP INSTALLED (CHICAGO ½ HP. MODEL # B3820), DUE TO LOW YIELD, C+H HAVE PURCHASED AND ON SITE SOLAR POWERED SUBMERSIBLE PUMP TO BE INSTALLED IN SUMMER 2011 (GRUNTHOS 3 SQF-2) 10 GPM @ 250' HEAD.

Licensed Driller (print) CLIFF C. CULLEN  C-57 Lic. No. C-27841

Signature  CLIFF C. CULLEN  Date June 14, 2011
12. AS-BUILT WELL SECTION (Please attach as-built if different from diagram provided below)

Elevation at top of casing: 26.75 ft., msl* (to nearest 0.01 ft.)

Hole Diameter: 16 in.

Minimum of 2' Radius & 4" Thick Concrete Pad

Ground Elevation: 24.30 ft., msl

*msl = mean sea level

**

Grouting method:
- Positive displacement (if annular space is less than two inches, attach photo of tremie)
- Other

Annular space between hole and casing (1.5" for positive displacement, 3" for other methods):

Rock or Gravel Packing:
- Crushed Basalt
- Rounded Gravel

Water Level Elevation: 16 ft., msl*

(Item 11 from page 1)

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
  And compliant with (check one or more): □ ASTM A242 or A606 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one):
  □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one) □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  □ Filament Wound Resin Pipe conforming to ASTM D2996
  □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
  And compliant with (check one or more): □ ASTM A242 or A606 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one):
  □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one) □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  □ Filament Wound Resin Pipe conforming to ASTM D2996
  □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Solid Casing: (≥ 90% x (Ground Elev. - Water Level Elev.))
- Length: 16.31 ft. 25 ft.
- Nominal Diameter: PVC 12 in.
- Wall Thickness: 1/4 in.
- Bottom Elevation: 31 33 ft., msl

Open Casing:
- Perforated □ Screen □

Open Hole:
- Length: NA 23 ft.
- Diameter: 16 in.
- Bottom Elevation: 33 ft., msl

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.
# DRILLER'S LOG

**WELL NUMBER:** 0354-07  
*In addition to the driller's log, if a geologic log was prepared, please submit with this form.*

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description</th>
<th>Water Level</th>
<th>Cl-</th>
<th>Dates</th>
<th>Depths (ft.)</th>
<th>Rock Description</th>
<th>Water Level</th>
<th>Cl-</th>
<th>Dates</th>
</tr>
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<tbody>
<tr>
<td>0 to 1</td>
<td>Surface drift</td>
<td></td>
<td></td>
<td>9/1/2008</td>
<td></td>
<td>Strike of drill</td>
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<tr>
<td>2 to 14</td>
<td>Mostly Solid</td>
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<td></td>
<td>9/5/2008</td>
<td></td>
<td>Loose cave-mis-cinders</td>
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<tr>
<td>14 to 17</td>
<td>Broken Moss</td>
<td>1/2 gpm</td>
<td></td>
<td>9/7/2008</td>
<td></td>
<td>Shale &amp; mud</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 to 31</td>
<td>Mostly Solid</td>
<td>No Water</td>
<td></td>
<td>9/17/2008</td>
<td></td>
<td>Last 6 ft. solid rock (non-water bearing)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

WCR1 Form 6/12/07 Page 3 of 5
Well Elevation

Note: SEE ATTACHED SURVEY PLAN.

Benchmark Elevation

Attach photos of completed well and concrete pad showing benchmark location.

I certify that the elevation shown above:

1) Was done in accordance with acceptable surveying practices
2) Is accurate to the nearest 0.01 ft.
3) Is referenced to mean sea level

Surveyor ____________________________ License No. ____________________________ Date ____________________________
SEES:
1) ENCLOSED PLOT PLAN - MAP (ATTACHED)
2) "" SURVEY PLAN WITH WELL MARKED (ATTACHED)
3) PHOTOS OF WELL COMPLETED (ATTACHED).

EXAMPLE SKETCH OF WELL LOCATION
(Referenced to permanent landmark, i.e. building, road, fence, etc.)
Provide Latitude and Longitude of well referenced to NAD83 to nearest second

Attach photos of completed well and concrete pad

NAD83:
Latitude: ___ degrees ___ min ___ sec
Longitude: ___ degrees ___ min ___ sec

WCR1 Form 6/12/07 Page 4 of 5
Charlie Iec
Hydrologist
Hawaii Water Commission

In light of the circumstances I believe this accomplishes the purpose of Hawaii Well Construction Standards, and I request a variance for the as built well.

Sincerely
Cliff C. Ebel

Variance

description:
see attached
Total Depth of well 30.6

1-2 Dirt + Rock
2-16 Solid Rock
16-18 Broken Water Dirt + Rock
18-30.6 Solid Rock

Steel perforated 17½'
PVC perforate 17-30'

Diameter of well 80-40" @
Charley Ice

I would like to thank you for your guidance on the completion of the project. I am doing well for many Texas.

Thanks again,
Christ E. Colten
Total Depth of well 20.6

Ambient Seal
Steel to Rock
0-6 Cement
0-12 Perigrave + Liqui-Crete
12-16 Perigrave
16-14 Perigrave

PVC coated
6-12 Cement
12-18 Perigrave
18-44 Perigrave
14-30 Perigrave

1-2 Dirt + Rock
2-14 Solid Rock
16-18 Broken Water Dirt + Rock
14-30.6 Solid Rock

Diameter of well 80-40" @

Steel perforated 17-18'
PVC perforate 17-30'

Steel casing set in Perigrave 14' to 24'
Perigrave 24-30.6

Total cement 6'

Signed: Donald F. Judd

Phone: [redacted]
Due to limited resources, alternate measures were used to complete this job.

Ex: PE Concrete & Liquid Cement was used to bond steel casing in annular space and steel casing was perforation at 12-16.'
Keoukuino-Bostwick Well
(Heaven Teves)
0354-07

wellbore 30'-40'

- cement grout 0' - 24' of annular space cement between PVC and steel to 12' depth

- bentonite between PVC and steel 12' - 13' depth

- cement between PVC and steel 13' - 14' depth

- water-bearing layer ~ 15' depth

- PVC perforated 18' - 31 ft.
- steel perforated 15' - 18 ft.

- pea gravel between PVC and steel 14' - 31'

- cement) pea gravel (10' - 24' - 11')

- bottom of steel casing 24'

- pea gravel 24' - 31 ft.

PVC bottom capped, flush against rock

Charley's depiction of Cliff Cullen's description by phone 08 Sep 11
I'm writing this down so we can look at the same thing. Can you forward to Clift's email (I don't have it)?

I'll try to call him tomorrow some time.

Between the (outer) steel casing and the wall of the borehole is what we call the annular space, which our standards call to be grouted to 70% of the depth to water. It appears that only the top 6 feet of 15 (40%) is cement, another 6 feet is pea gravel (through "solid rock"), before coming to one foot of bentonite and one foot of cement (to 14 ft. bgs). In my notes, I thought you said that between the outer steel solid casing and the inner PVC solid casing is 12 ft. of grout, and that also appears on your drawing. This may make perfect sense, but is not standard, so we would expect a request for a variance, with an explanation, if you would be so kind. I don't know what is between the steel and PVC from 12 ft to 14 ft., a crucial measure, as this would provide an essential seal against potential contaminants entering just above the water-bearing stratum. Is that adequate? Is the "solid rock" layered or porous?

I see that the PV is perforated all the way from 17 ft to the bottom, which had not been converted in my notes. Thank you.
WATER USE PERMIT NO. 751

This report has been prepared in accordance with 13-171-22(b) of the Hawaii Revised Statutes requiring a 20-year review of issued water use permits to determine permit compliance. Following is a summary of permit information, site characteristics, methodology, findings, and recommendations for this State permit file.

Permit Information

Water User: Harvey A. Teves
Landowner of Source: Harvey A. Teves
Permitted Withdrawal Rate: 0.045 mgd (Based upon a 12-month moving average)
Water Management Area: Kawela
Island: Molokai
Aquifer Sector/System: Southeast/Kawela
System Sustainable Yield: 5 mgd
Water Type: Potable
Original CWRM Date: October 21st, 2005
Standard Conditions: 1-19
Special Conditions: 1-2, 16

Water Source

State Well Number(s): 0354-07
Well Name: Keonekuino-Teves
Water Source TMK Number(s): 2nd Division, 5-5-001:007
State Land Use Classification(s): Agriculture
County Zoning Classification(s): AG
Geographical Coordinates: Latitude 21° 03' 23.4" North
Longitude 156° 53' 58.3" West

End Use

End Use TMK Number(s): 2nd Division, 5-5-001:007, 5-5-001:009, 5-5-001:019
5-5-001:026
State Land Use Classification(s): Agriculture
County Zoning Classification(s): AG
Beneficial Use Explanation: Use for 87 acres of agriculture

Background Information

Water Use Permit 751 was approved during the October 21st, 2005 Commission on Water Resource Management meeting. This water source has not yet been put into use by the current permittee. As such, there are no monthly water reports on file for State Well No. 0354-07. Standard conditions 1-19 and special conditions 1-2 & 16 are the governing conditions for this water use permit. A complete list of all standard and special conditions is given in the final summary report to the Legislature for this 20-year Water Use Permit Review.

Field Investigation Information

Contact: Harvey Teves
Site Address: Kawela, HI

Brown and Caldwell conducted a field investigation on April 9th, 2008 from 1:00 p.m. until 1:30 p.m. with Mr. Harvey Teves. During this time GPS coordinates of well head(s) were recorded and property TMK information was verified. The physical location of this site is approximately half way between the eight and nine mile markers on Kamehameha V Highway in Southern Molokai. Reference the TMK and GIS maps in the permit file for a visual representation of the site.

Summary of Findings for Water Use Permit No. 751

State Well No. 0354-07 is located on TMK parcel (2) 5-5-001:007 at 21° 03' 23.4" N, 156° 53' 58.3" W, with a real time accuracy of ±13 feet. At the time of this report, the well was still under construction. The permittee has advised that although they had hit water, the amount was less than desirable. As such, additional drilling is going to be performed in the near future to either deepen the current well or drill an entirely separate well. The permitted end use locations for State Well No. 0354-07 are 2nd division TMK parcels 5-5-001:007, 5-5-001:009, 5-5-001:019, and 5-5-001:026, all of which are zoned for agriculture. Reference the Appendix for photographs of the wellhead.

Recommendations

- Address the following discrepancies between the Commission's electronic database and actual field investigation findings:
  - No discrepancies found
- No disciplinary action required for this WUP since the permittee is in compliance with all standard and special conditions.
20-Year Water Use Permit Review
Water Use Permit No. 751

APPENDIX

Field Investigation Photographs
Figure 1 – State Well No. 0354-07
Water Use Permit Survey
(Please complete one survey form for each WUP)

WUP Number: 751
Well Number(s): 0354-07

Contact Information (of the person who will be present at site visit):
Name: HARLEY TEST
Phone (for phone interview): ______________ Fax: None
Email: Topu @ hawaii .rr .com
Best time to reach for phone interview: 8 AM - 4 PM M-F

Property Information (of the water use/well location):
Address: TMK 5-5-001-007
City: SOUTH MOLOKAI Zip: ______________
Well Location TMK (list all if multiple wells present): ____________________________
Water Use TMK (list all if used on multiple lots): ____________________________

Water Use/Well Information:
Is the water source currently in use? Yes ☐ No ☐
If no, please explain: STILL IN PROCESSING OF DRILLING

What are you currently using the water for? (example: "Use for 45 acres of diversified agriculture and 3 residences"): ____________________________

Is a flow meter installed and working properly? Yes ☐ No ☐
If no, please explain: WELL NOT FINISHED

Do you submit monthly water use reports to the State? Yes ☐ No ☐
If no, please explain: WELL NOT COMPLETE

Field Investigations:
A representative from Brown and Caldwell will be visiting wells in your area over the next several months between the times of 9:00 am and 5:00 pm. Each site investigation will take approximately 1-2 hours. Please indicate up to three potential days of the week and availability times for an on-site inspection of the well location and verification of water use compliance. The permit holder must provide Brown and Caldwell with at least five (5) working days notice of the need to reschedule.

Option #1 Date (M-F): __________ Time: 9:00 am ☐ 12:00 pm ☐ 3:00 pm ☐
Option #2 Date (M-F): __________ Time: 9:00 am ☐ 12:00 pm ☐ 3:00 pm ☐
Option #3 Date (M-F): __________ Time: 9:00 am ☐ 12:00 pm ☐ 3:00 pm ☐

Once this survey is returned, a Brown and Caldwell representative will be contacting you to conduct a phone interview and finalize the exact date and time of your field investigation. Please fax/mail completed surveys by December 12th, 2007 and direct any questions related to this survey to Mr. Milo Smith of Brown and Caldwell at:
1099 Alakea Street, Suite #2400
Honolulu, HI 96813
Tel: (808) 203-2661
Fax: (808) 533-0226
mcsmith@brwncald.com

For Official Use Only
Received: 12/3/07 Information Updated: 12/3/07 Phone Interview Complete: 1/7/08
Notes/Comments: ________________________________________________________________
# Phone Interview

<table>
<thead>
<tr>
<th>WUP Number: 751</th>
<th>Well Number(s): 0354-07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Name: Harvey Temes</td>
<td>Phone Number: 251-881</td>
</tr>
<tr>
<td>Attempt #1: Date/Time: 4/17/08 (1:00)</td>
<td>Result: Reached</td>
</tr>
<tr>
<td>Attempt #2: Date/Time: N/A</td>
<td>Result: N/A</td>
</tr>
<tr>
<td>Well Location TMK(s):</td>
<td></td>
</tr>
<tr>
<td>Water Use TMK(s):</td>
<td></td>
</tr>
<tr>
<td>Water Source Address: No Address (see special directions)</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Zip Code:</td>
</tr>
<tr>
<td>Currently using water source?</td>
<td>Yes [ ] No [X]</td>
</tr>
<tr>
<td>How often is the water source being used?</td>
<td>Daily [ ] Weekly [ ] Monthly [ ]</td>
</tr>
<tr>
<td>How long have you been using this water source?:</td>
<td>Not yet put into use</td>
</tr>
<tr>
<td>Has there been any rezoning of the water source/water use properties?</td>
<td>Yes [ ] No [X]</td>
</tr>
<tr>
<td>Have you reported the rezoning to the State?</td>
<td>Yes [ ] No [ ] N/A [X]</td>
</tr>
<tr>
<td>If no, explain:</td>
<td></td>
</tr>
<tr>
<td>Scheduled field investigation day/time: 4/17/08 @ 1:00 p.m.</td>
<td></td>
</tr>
<tr>
<td>Notes (Special directions, site conditions, potential hazards, general notes, etc.): Meet at gate between 46 &amp; 1 mile marker on Kam IV Hwy. No trespassing sign on gate</td>
<td></td>
</tr>
</tbody>
</table>

**Comments To Make:**

- Although we prefer that you do not change your scheduled field investigation time, if you require a reschedule, you must provide Brown and Caldwell with at least five (5) working days notice of the need to reschedule.
- A representative from Brown & Caldwell will be making a reminder phone call to you sometime during the week prior to your scheduled field investigation.
- It is very important that you provide access to the site at the day and time agreed upon. Due to a very tight schedule, if you fail to provide access at the agreed upon time and/or do not reschedule with at least a five (5) working day notice, a makeup date will not be allowed.
- If for some reason you don’t know where your well head is located, it would be a good idea to locate it prior to your field investigation to help make the visit go quickly and smoothly.

Interviewed By: [Signature]  
Date: 4/17/08  
Time: 1:00 p.m.
# Field Investigation Checklist

**WUP Number:** __751__  
**Well Number(s):** ___0384-07__

## Water Source

**Well Location TMK(s):** (2) 5.5.001.007  
**Well Head GPS Coordinates:** Latitude: 21°05'23.4"N  Longitude: 156°53'58.3"W  
**Well Type:** Drilled, Submersible Pump

Currently using water source?  
- Yes [ ]  
- No [x]  

Notes/Comments: ________________________________

Is there a flow meter installed?  
- Yes [ ]  
- No [x]  

Is the flow meter operational?  
- Yes [ ]  
- No [x]

Notes/Comments: ________________________________

## Water Use

**Water Use TMK(s):** (2) 5.5.001.007, 1.001, 1.026

What is the water being used for?  
- Not yet in use

Is the water being used within the permitted boundaries?  
- Yes [ ]  
- No [x]  

If no, explain: ________________________________

Is there any observed wasting of water or water loss?  
- Yes [ ]  
- No [x]

If no, explain: ________________________________

Are the permit conditions being complied with?  
- Yes [x]  
- No [ ]

If no, explain: ________________________________

## Other

**Photographs of:**  
- Water Source [x]  
- Water Meter [ ]  
- Usage Area [ ]  
- Pump/Motor [x]

**General Notes/Comments:** ________________________________

- Well is drilled, but not yet in use
- Permittee has advised that water is not quite sufficient from current configuration; additional drilling may take place to deepen current well or drill an entirely separate well altogether.

Investigated By: __M.S._  
Date: 4/16/2020  
Time: 1:00 P.M.
Standard Conditions List

1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means “the use of water in such a quantity as is necessary for economic and efficient utilization, which is both reasonable and consistent with State and County land use plans and the public interest.” (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in Section 221 of the Hawaiian Homes Commission Act and HRS § 174C-101(a).

4. The ground-water use here must not interfere with surface or other ground-water rights or reservations.

5. The ground-water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its <Insert Date> meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

Variations of Standard Condition (8) are as follows:
   i. Modification of any permit condition shall be approved by the Commission. Modification of any permit condition without notification may result in the revocation of the water use permit.
9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect the water sources (quantity or quality);
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a monthly basis (attached).

Variations of Standard Condition (10) are as follows:
   i. The applicant shall keep monthly pumpage estimates to be submitted annually to the Commission.
   ii. An approved flowmeter(s) need not be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).
   iii. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.
   iv. Approved flowmeters must be installed to measure monthly withdrawals and a monthly record of withdrawals must be kept and reported to the Commission on Water Resource Management on a monthly basis.
   v. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a quarterly/yearly basis (attached).
   vi. An approved flowmeter shall be installed to measure water withdrawals.
   vii. An approved flowmeter(s) must be installed to measure withdrawals; and a record of the withdrawals must be kept and reported to the Department of
Land and Natural Resources, Division of Water and Land Development, P.O. [mask], on a monthly basis.

viii. Although not stated as a condition of the permit §13-168-7 HAR requires you to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular monthly basis using the enclosed water use report form.

ix. An approved flowmeter shall be installed and the withdrawal from Well 1851-73 shall be recorded and reported to DLNR on a monthly basis by the owner and/or operator of the well.

x. The withdrawals from these wells shall be recorded and reported to the DLNR on a monthly basis by the BWS.

xi. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting water usage on a monthly basis.

xii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.

xiii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission along with water level and salinity measurements.

11. This permit shall be subject to the Commission’s periodic review of the <Aquifer> Aquifer System's sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the <Aquifer> Aquifer System, or relevant modified aquifer(s), is reduced.

12. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer, which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

13. The uses(s) authorized by law and by this permit do not constitute ownership rights.

14. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances that will affect the permittee's water use.

15. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservations, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter
into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period or forfeiture.

16. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the <Aquifer>Ground-Water Management Area.

17. The water use permit shall be subject to the Commission’s establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

18. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

19. Special conditions in the attached cover transmittal letter or attached exhibits are incorporated herein by reference.

20. If the ground-water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

Variations of Standard Condition (20) are as follows:

i. The 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 proposed in the permit application shall be completed within two years from the date of permit issuance.

21. This permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HRS § 174C-59 and the requirements of Chapter 174C, the Commission on Water Resource Management has the authority to allow the transfer of the permit and the use rights granted by this permit in a manner consistent with HRS § 174C-59. Any such transfer shall only occur with the Commission’s prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

22. The water use permit granted shall be an interim water use permit, pursuant to HRS § 174C-50. The final determination of the water use quantity shall be made within five (5) years of the filing of the application to continue the existing use.

23. The water use permit shall be issued only after agricultural review.

24. That scheduled adjustments to Oahu Sugar Co. permitted use shall be initiated upon discontinuance of agricultural uses.
25. The issuance of this permit was approved by the Commission on Water Resource Management at its meeting on <Insert Date>.

26. The permit shall be subject to the review by the Attorney General.

27. The permit holder may be required to relinquish this permit at any time or specified time after issuance to the Board of Land and Natural Resources in accordance with Chapter 166 of Title 13.

28. The applicant shall obtain the necessary land acquisition documents from the Hawaii Housing Authority.
**Special Conditions List**

1. Should an alternate permanent source of water be found for this use, then the Commission reserves the right to revoke this permit, after a hearing.

2. In the event that the tax map key at the location of the water use is changed, the permittee shall notify the Commission in writing of the tax map key change within thirty (30) days after the permittee receives notice of the tax map key change.

3. The applicant shall contact the Environmental Management Division, State Department of Health, at 586-4304, concerning “GUIDELINES APPLICABLE TO GOLF COURSES IN HAWAII” date <Insert Date & Version #>.

4. Standard Condition 10 is emphasized, to report consumption on a regular basis.

5. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

6. This interim water use permit shall cease to become interim and shall be subject to HRS § 174C-55 upon administrative review of the quantity within five (5) years, provided that all conditions of the use (including the review of the quantity which shall not be greater than the amount initially granted) remain the same. Enforcement of the allocation limit shall be stayed pending staff’s review and issuance of a permanent water use permit.

7. As-built drawings of the well and pump, and a complete pumping test record shall be submitted within sixty (60) days.

8. In the event the pump tests show that aquifer boundary conditions do not support the requested withdrawals, the Commission reserves the right to amend this permit, after a hearing, to a level that is supported by the pump tests.

9. The existing use may be continued within the levels approved by the Commission, and the actual issuance of the permit document shall not be a reason to interrupt the approved level of use.

10. The filing of an application by Kukui, Inc. for a new or modified water use permit for the Kualapuu Aquifer in excess of 2.0 mgd (total system withdrawal) shall be just cause for re-consideration of this interim permit by the Commission.

11. Upon completion of a new transmission line for the transport of water use by Well #17, the permit shall be modified to reduce the allocation amount by the additional 79,220 gallons per day allocated for use of the Molokai Irrigation System.

12. Within six (6) months from the date of approval of a water use permit for the well, the applicant shall conduct a feasibility study and submit a report describing
alternative sources of nonpotable water for irrigation uses at the resort area. It is
suggested that the developer consider use of dual lines in the subdivisions so that
effluent may be used in the existing reuse system. Another consideration is the
development of brackish water wells in the Kaluakoi Aquifer system for mixing with
the effluent generated at the resort.

13. Within six (6) months from the date of approval of a water use permit for the well,
the application shall evaluate the filter back discharges into Kakaako Gulch to
determine if excessive preventable waste is occurring and identify possible measures
to eliminate or reduce such waste. The evaluation shall be conducted in cooperation
with the Commission staff and staff of the Department of Health's Safe Drinking
Water Branch, which regulates the drinking water system.

14. Within six (6) months from the date of approval of a water use permit for the well,
the applicant shall 1) implement a leakage control and detection system and compete
repairs to prevent such leakage and 2) implement use of xeriscaping and low-flow
fixtures.

15. Action on the future use portion of the water use permit application for Well #17
(Well No. 0901-01) is deferred pending the establishment of existing uses in the
aquifer. Kukui Inc.'s application for uses in excess of those uses existing on July 15,
1992 will be considered "new" uses and will be taken up by the Commission as soon
as other existing use applications have been decided. In the interim,
   a. The Commission shall recognize that there is disagreement between the
      applicant's staff calculations of reasonable-beneficial existing use
   b. The Applicant will have the burden of proof to show within six (6) months
      reasonable-beneficial existing use calculations that support the applicant's
request as opposed to staff's calculations.
   c. The Commission's enforcement of the approved existing use allocation will
      be suspended for six (6) months.

16. The permittee shall submit a notice of intent and written request to continue the use
at least ninety (90) days prior to the expiration of the interim five-year permit.

17. The Commission shall delegate to Maui Department of Water Supply the authority
to allocate the use of water for municipal purposes, as provided in §174C-48(b).

18. Maui Department of Water Supply shall be exempt from the requirements for permit
modifications, as provided in §174C-57(c).

19. The permittee must meter water use and monitor chloride concentrations on a
monthly basis and submit monthly reports of water use and chloride concentrations
to the Commission.

20. Standard Condition 16 is waived for saltwater wells.

21. The permit will be revoked if (1) stream monitoring shows that pumping the well
reduces stream flow, or (2) the electromagnetic resistivity survey indicates that the
well was drilled into a dike compartment, unless the applicant submits a petition for an amendment to the interim instream flow standard with the well completion report. However, no use of the water may be made without a Pump Installation Permit, which cannot be issued during consideration of the amendment of the interim instream flow standard.

22. The applicant shall present the results of the electromagnetic resistivity survey, pump tests, and stream monitoring to a community meeting as well as to the Commission.

23. A final determination of water use quantity shall be made within five (5) years of the filing date of the application (<Insert Date>) to continue existing use.

24. The applicant shall implement, by December 31, 1995, a biological and hydraulic monitoring program for a minimum 2-year period that: 1) documents the existing operating procedure, 2) seeks to identify the impacts of all operating alternatives on Waikolu Stream, and 3) seeks to identify the effectiveness of weir modifications (Dam No. 1). This program shall incorporate the three new wells, Wells #4-6 (Well Nos. 0855-06, -05, & -04, respectively), which may be pumped within the approved limits, for monitoring and testing purposes only. Further, semi-annual reports summarizing data and preliminary findings shall be submitted to the Commission. It is suggested that the Department of Agriculture work with the State Division of Aquatic Resources and other affected agencies to prepare the monitoring program in light of the difficult technical questions raised by this application. A particular concern is the coordination of this monitoring program with the ongoing National Park Service study by Anne Brasher. A draft of this plan shall be submitted to the Commission staff within ninety (90) days for technical review and comment. Results of the monitoring program shall be used to make recommendations to the Commission on any additional use of the wells, and shall be made readily available to all interested parties.

25. That the Commission approves the well construction permit for the Kamiloloa-Waiola Well (Well No. 0759-01), subject to the standard well construction conditions and the special conditions for the pumping well for the aquifer tests.

26. That the Commission authorizes the Chairperson to approve and issue a pump installation permit upon acceptance of adequate pump test result, subject to the standard pump installation conditions.

27. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

28. The applicant shall follow the agreed monitoring plan.

29. If pesticides used by the applicant are found in ground or surface water and can be traced to the applicant's use, the CWRM may revoke the permit immediately upon such finding.
30. Issuance of the interim permit shall be withheld until the reservation of water for DHHL is set by rule. Applicant may continue this existing use within the approved limits.

31. The applicant shall submit well modification and pump installation permit applications for administrative approval by chairperson prior to beginning any work required to complete well.

32. Should any stream flow impacts result from use, petition to amend interim instream flow standards shall be submitted.

33. Should any dewatering result from use, pumping shall cease immediately.

34. Shall submit accurate schematic diagram of distribution system for the battery of 5 wells.

35. Shall be subject to a 6-month independent audit & monitoring.

36. Final pump capacity shall be determined from pump test results & approved administratively by signature of chair.

37. The permittee shall seek and submit to the Commission within ninety (90) days written confirmation from the Department of Land Utilization of the non-conforming use.

38. Pumping shall cease immediately if the chloride reports show that the brackish water developed in the well exceeds 1,000 mg/l of chloride, unless a variance from the chloride limit has been granted. The authority to approve future variance requests is delegated to the chairperson.

39. The duration of the interim permit shall be:
   a. To July 1, 2006, or
   b. Until treated wastewater is available and acceptable for use, or
   c. Until such time that a significant change in permitted, actual, or projected uses or water supply occurs.

40. Action on any interim permit may be initiated by the Commission or any permittee upon letter request or pursuant to §174C-57 Haw. Rev. Stat. (Modification of permit terms).

41. This permit is approved under the assumption that wastewater will become available for reuse as an alternative supply source.

42. Require adherence to the chloride sampling protocol and the submittal of weekly chloride data. The authority to approve variances from the weekly reporting requirement is delegated to the Chairperson.

43. Require adherence to the Conservation Conditions.
44. In the event a water shortage is declared by the Commission, permittees in the <Insert Aquifer System> shall comply with the <Insert Aquifer System> water shortage plan adopted by the Commission.

45. The permittee shall contact the Department of Health, Clean Water Branch and obtain the necessary discharge permit(s).

46. Permit shall be interim and replaces existing WUP for 2051-07 & 11.

47. Applicant shall submit an acceptable archaeological inventory survey report to DHP. If historic sites affected, a plan to mitigate these affects must be accepted by DHP and completed by applicant.

48. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

49. (The permittee) may report monthly pumpage on yearly basis.

50. Prior to issuance of any permits, must submit filing fee for after-the-fact pump installation permit.

51. The term of this permit shall be twenty years from the date of issuance of the permit with a five-year Board review to determine compliance with the provisions of the permit.

52. The amount of water to be withdrawn under this permit shall be 0.19 mgd, averaged annually, for irrigation use. This permitted use of 0.19 mgd when added to a preserved use of 0.27 mgd amounts to a total of 0.46 mgd, averaged annually, which may be withdrawn from well 1646-01.

53. The use authorized by the permit must not interfered substantially and materially with existing individual household uses and existing uses.

54. The use of this well shall be subject to the shortage and emergency powers of the Board of Land and Natural Resources (BLNR).

55. This permit may be suspended or revoked, in accordance with Chapter 166.

56. The permit holder may be required to relinquish this permit to BLNR, in accordance with Chapter 166.

57. The withdrawal from Well 1646-10 shall be recorded and reported to DLNR on a monthly basis by the permittee.

58. In the event that emergency water use occurs, the permittee shall notify the Commission in writing within one (1) day of pumping, to in form the Commission as to the nature of the emergency and the expected duration of the emergency. A water
use report shall also be filed pursuant to Standard Condition 10 and Administrative Rule 13-168-7.

59. Note DOH’s requirements related to non-potable water systems (attached to original permit).

60. Standard Condition 16 requiring the submittal of a water shortage plan is waived.

61. All non-potable spigots and piping shall be clearly labeled as “DO NOT DRINK, NON-POTABLE” to prevent direct human consumption.

62. Standard Condition 10 is modified. Due to the inability to take water level measurements, the requirement to measure monthly water levels is waived. In addition, as long as the U.S. Geological Survey is collecting and analyzing the chloride content of the well water, the requirement for the permittee to measure and report chlorides is also waived.

63. Well elevation components must be surveyed by a licensed surveyor and this information must be submitted to commission prior to issuance of permanent permit.

64. The permittee shall obtain approvals from the Department of Health and the U.S. Environmental Protection Agency prior to use of the water.

65. This water use permit, WUP No. <Insert #>, shall supersede WUP No. <Insert #>.

66. WUP No. <Insert #> is revoked.

67. Standard Condition 17 is waived.

68. Standard Condition 22 for interim water use permits shall not apply.

69. To supplement our records, we request that you provide a map of the Galbraith Est. lands west of Wahiawa (2100 ac+) and the associated TMK’s for use area.

70. Deferred action on portion requested for golf course irrigation pending further refinement of irrigation requirement and a feasibility study for utilization of surface water sources, including Wahiawa Reservoir.

71. Written justification be provided for any 'cushion' of 0.5 mgd.

72. The water use permit shall be an interim permit. The duration of the interim permit shall be until treated wastewater is available and acceptable for use. The permittee shall continue discussions with Honolulu Board of Water Supply regarding the use of reclaimed water.

73. The permittee is put on notice that this is a qualified approval in that this permit may be modified or revoked prior to the expiration of the interim permit if the
Commission decides that the use of additional basal ground water for dust control and landscape irrigation is not reasonable-beneficial use.

74. The permittee encouraged to use drought-tolerant landscaping to conserve water.

75. Should the applicant provide written evidence that the county DHCD approves a 201E exemption for the elderly affordable housing project then the applicant may modify a corresponding portion of their existing aquacultural use to be used by the exemption approved project within the Commission approved water use permit limits under recommendation 5.

76. The applicant shall obtain a water lease/permit from Land Division prior to actual use of the well water.

77. Require the permittee to sign a contract by May 14, 1998 with the City Department of Wastewater Management to buy and use 0.400 mgd of R-1 water for a corresponding reduction in allocation for Well Nos. 1900-02, 17 to 20, and 1901-03.

78. Standard Condition 9 is waived.

79. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

80. Standard Condition 10 is waived.

81. Applicant must seek a determination from BLNR and Land Mgt Div as to whether water license required. If required, license must be obtained prior to issuance of permit. If not, permit will be issued w/out further action.

82. Commission defers action on use in excess of 452,000 gpd pending additional info from BWS and further staff analysis.

83. The permit shall be subject to the Commission’s sustainable yield review by December 1990.

84. The Commission shall delegate to the Honolulu Board of Water Supply the authority to allocate the use of water for municipal purposes, in accordance with §174C-48(b) HRS.

85. Honolulu Board of Water Supply shall be exempt from the requirements of permit modifications as provided in §174C-57.

86. BWS must participate in discussions, to be coordinated by Commission Staff, regarding a monitoring program to address impacts to Kaneohe Bay water quality, prior to any action on applications for future municipal uses.

87. A pump installation permit application must be made and approved prior to the installation of a permanent pump.
88. The water withdrawn shall be 0.7 mgd for municipal use.

89. The installed pump capacity of the well shall not be more than 700 gpm or 1.01 mgd.

90. The term of permit shall automatically expire twelve months from the date of issuance.

91. The Honolulu Board of Water Supply may continue to submit monthly water data on their own form, provided that the data are submitted in a format that is acceptable to the Commission staff.

92. Standard Condition 7 shall not apply.

93. Standard Condition 22 shall not apply.

94. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

95. This permit shall be subject to conditions providing for stream restoration if the Commission determines that additional water should be returned to the streams.

96. HECO 1 mgd for industrial use.

97. Campbell Estate 1 mgd for municipal use through BWS, by separate agreement with HECO.

98. BWS 1 mgd for municipal use.

99. The permit shall be subject to the Commission’s sustainable yield review by <Insert Date>.

100. The applicant shall obtain the current version of the Department of Health’s Guidelines Applicable to Golf Courses in Hawaii. Where relevant and viable, items of the guidelines should be implemented and sustained appropriately. To obtain the current version, contact the Safe Drinking Water Branch, Environmental Management Division at (Honolulu).

101. The future use portion of the application shall be deferred until existing uses in the Koolauloa area are established.

102. The water to be withdrawn under this permit shall be a total of 0.03 mgd (0.02 mgd preserved plus an additional 0.01 mgd permitted use), averaged annually, for domestic and irrigation use.

103. Existing well 1851-09 shall be properly sealed by a licensed drilling contractor. A well modification permit application, enclosed, shall be submitted to the Department for approval of the well sealing. A filing fee for sealing the well will not be required.
104. The permittee is required to test the source using a certified private laboratory and submit the test results to the Commission within three (3) months. The Commission will then forward the results to the Department of Health for their review. The Department of Health recommends that the well be routinely tested for microbiological and chemical parameters thereafter.

105. The permittee is required to submit a completed Registration of Well and Declaration of Water use by <Insert Date>.

106. The permittee shall contact the Department of Health for a written determination on the status of their water system and comply with any Department of Health requirements for monitoring and testing.

107. In the event that the original spring source decontaminates, the new well authorized will be shut down.

108. That within each aquifer the total permitted use shall not exceed the sustainable yield.

109. That any water available for allocation shall be for in-district use.

110. That scheduled reductions to Oahu Sugar Co. permitted use shall be initiated upon final termination of an Osco lease or sub-lease, whichever occurs later.

111. That permits for water use issued in accordance with the proposed schedule shall be interim permits subject to review and adjustment by 1995.

112. That the permit shall be an interim permit for a new use which is afforded to existing users as specified in §13-171-20.

113. That the original allocation of 0.200 mgd shall be taken to hearing for possible revocation at a later date to complete the transfer of the water use permit entirely to Well No. 3407-02. This revocation would reduce the current allocation afforded to the Kunihiro Well (Well No. 3406-06) to zero.

114. This allocation incorporates the unspecified domestic needs of the applicant and therefore necessitates a single meter be installed at the well.

115. Should any impacts to nearby wells or streams be established by the use of this well, the applicant shall address these issues to the satisfaction of the Commission.

116. If an economically feasible nonpotable source is identified, the applicant shall convert to the alternative nonpotable source.

117. The permit shall be subject to the Chairperson’s approval of a water use plan recommending possible measures to prevent or minimize saltwater contamination and establish courses of action to follow should the aquifer become to saline to use.
118. Permittee shall provide the necessary end-use information on the 10th residence to allow regulation of the use under Chapter 174C.

119. Standard Conditions 10 & 18 shall not apply.

120. Standard Condition 10 is modified to exempt the permittee from the requirement to install a flowmeter. Salt water withdrawals may instead be estimated based on pumping capacity and run time.

121. The applicant shall review the existing year long period of pumpage and streamflow data and provide analysis on ground and surface water interaction. Deadline is January 25, 1994.

122. The water use permit for Well Nos. 2301-27 to -32 for 0.75 mgd (WUP No. 419) shall be revoked upon issuance of a pump installation permit for the well.

123. The permittee shall use mulching to decrease evaporative losses and manage irrigation scheduling to minimize water demand.

124. The permittee shall submit a detailed agricultural plan to support any future water use permit application for increased agricultural use at this parcel.

125. If not already obtained, the permittee shall seek and obtain any necessary permits from the Department of Health for the proposed discharge to Malaekahana Stream.

126. Standard Condition 10 is modified to waive the requirement for installing a water meter on Well Nos. 2358-21, 22, and 29. The permittee shall install a water meter on Well No. 2358-26 to measure total monthly flow through the discharge line. This quantity should then be assumed to be the rate of natural flow from the other three wells for monthly reporting purposes.

127. The permit shall be effective upon submittal of documentation by Navy that it has met the DOH requirements for a public system.

128. This WUP shall be subject to Army's application for a WUP to reduce the permitted use of the Army's Schofield Shaft (2901-02 to 04, 10) by 0.208 mgd to a new total of 5.648 mgd. The Army's application shall be submitted within 60 days after the approval of this WUP or this WUP shall be void. Approval of the modification request shall be obtained from the CWRM prior to use of Well No. 3100-02 and issuance of this WUP.

129. Navy shall submit an after-the-fact PIPA, and approval of the permit shall be obtained prior to use of the well.

130. The well shall not be used for drinking water purposes unless it is properly tested and treated.
131. This permit is approved subject to reclaimed water becoming a practical alternative and provided that the Department of Health approves the reuse application.

132. Should any opae ula be recovered in the well water, the permittee shall notify the Division of Aquatic Resources and provide specimens to the Division of Aquatic Resources for analysis.

133. If a single meter at the well is used, the Commission shall allow an additional 1,000 gallons per day to the water use permit amount for the domestic needs of two residences, although a permit for individual domestic consumption is not required. Otherwise, the applicant must provide a meter to separately measure the irrigation consumption.

134. This permit is approved under the requirement that conversion to either: 1) treated wastewater becoming available for reuse as an alternative supply source, provided that Department of Health concerns over the use of treated effluent over the potable water aquifer have been addressed; and/or 2) other nonpotable source becoming available will occur in a timely manner.

135. These permits shall be subject to a review of actual use within four years for possible modification of the permitted amount.

136. The permit shall be reviewed in two (2) years for possible additional revocation due to nonuse.

137. The allocation is based on the projects listed in Exhibit 5 (of Item 10 of the May 20, 1998 Staff Submittal), except for the Queen’s Beach GC (TMK 139-11-2,3), Lot 9 (TMK 139-17-51), and Varsity Place (TMK 128-24-35).

138. Kamehameha Schools Bishop Estate/Honolulu Board of Water Supply shall transfer the water use permit within ninety (90) days of the effective date of the transfer of the pump station to the Honolulu Board of Water Supply, pursuant to §174C-59 Hawaii Revised Statutes.

139. The permittee shall ensure that the water is recycled by either directing it into the Waiahole Ditch for use by downstream farmers (subject to the approval of the Agribusiness Development Corporation’s Board) or into Waikele Farm’s existing irrigation system.

140. The permittee shall file a completed application to modify WUP No. 758 to reduce the allocation by 0.100 mgd within 60 days. If a completed water use permit modification application is not received within 60 days from this submittal’s date, then the subject water use permit application (WUPA No. 767) shall be deemed denied without prejudice without the need for another hearing.

141. The water withdrawn shall be for municipal use. No improvements to the existing sources are required as the existing source capacities are greater than the increase.
142. Water license must be determined through LM.

143. Proposed other uses will be considered at a later date.
751.wup

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Harvey A. Teves

Dear Mr. Teves:

Approval of Water Use Permit for Well No. 0354-07
Kawela Ground-Water Management Area, Molokai

This letter transmits your water use permit for Keonekuino-Teves (Well No.0354-07) for use of 0.045 mgd million gallons per day (mgd) of water on a 12-month moving average basis that was approved by the Commission on Water Resource Management (Commission) on September 24, 1996.

This action is a transfer of a permit approved for Charles Bostwick for use of a proposed well which has not yet been constructed, and accompanies the transfer of sale of the property where it was proposed. While technically, this transfer was noticed later than the normal 90-day period specified in the Water Code, we know of no compelling reasons the transfer should not be approved.

As part of the Commission's original approval, the following special conditions were added and are part of your permit under Standard Permit Condition 19:

Special Conditions

1. Should an alternate permanent source of water be found for this use, then the Commission reserves the right to revoke this permit, after a hearing.

2. In the event that the tax map key at the location of the water use is changed, the permittee shall notify the Commission in writing of the tax map key change within thirty (30) days after the permittee receives notice of the tax map key change.

Enclosed with this letter of approval are the following:

1. Your water use permit
2. Your official monthly water use report form
Mr. Harvey Teves  
Page 2  
November 3, 2005

Please be sure to read the conditions of your approved permit.

We draw your attention to two key conditions of your permit that require your response. First, you are required to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular yearly basis using the enclosed water use report form. You should make copies of the enclosed report form as needed.

Second, you are required to submit a water shortage plan to the Commission within thirty (30) days of the issuance date of this permit. Your water shortage plan simply identifies what you are willing to do should the Commission declare a water shortage situation in the Kawela Ground-Water Management Area and can be as short as a one page letter. In a water shortage situation, the Commission may require temporary reductions in pumpage from all sources. The Commission is required, by law, to formulate a plan to implement such area-wide reductions, which should accommodate, include, and be consistent with your plans. Therefore, your help, by submitting your water shortage plan, is greatly needed in formulating the Commission's overall Water Shortage Plan.

If you have any questions, please call Charley Ice of the Commission staff at [redacted].

Sincerely,

[Signature]

Peter T. Young  
Chairperson

Attachments

c: American Drilling
Pursuant to Hawaii's State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the permittee is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:
1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means "the use of water in such a quantity as is necessary for economic and efficient utilization which is both reasonable and consistent with State and County land use plans and the public interest." (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and HRS § 174C-101(a).

4. The ground-water use here must not interfere with surface or other ground-water rights or reservations.

5. The ground-water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its September 24, 1996 meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. protect the water sources (quantity or quality);
   b. meet other legal obligations including other correlative rights;
   c. insure adequate conservation measures;
   d. require efficiency of water uses;
   e. reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).
11. This permit shall be subject to the Commission's periodic review of the Kawela Aquifer System's sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the Kawela Aquifer System, or relevant modified aquifer(s), is reduced.

12. A permit may be transferred, in whole or in part, from the permittee to another, if:

   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of the use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

   Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer, which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

13. The use(s) authorized by law and by this permit do not constitute ownership rights.

14. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances that will affect the permittee's water use.

15. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period of forfeiture.

16. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Kawela Ground-Water Management Area.

17. The water use permit shall be subject to the Commission's establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

18. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

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

   PETER T. YOUNG, Chairperson
   Commission on Water Resource Management

Attachment
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PLEASE: See Me
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MEMORANDUM

TO: DLNR Agencies:
   ( ) Div. of Aquatic Resources
   ( ) Div. of Boating & Ocean Recreation
   ( ) Engineering Division
   ( ) Div. of Forestry & Wildlife
   ( ) Div. of State Parks
   ( ) Commission on Water Resource Management
   ( ) Office of Conservation & Coastal Lands
   ( ) Land Division – Maui District
   ( ) Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator

SUBJECT: Harvey Teves Solar Pump and Waterline Installation

LOCATION: Keonekuino, Molokai; TMK: (2) 5-5-001:007 and 026

APPLICANT: County of Maui, Department of Planning

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by April 18, 2012.

Three (3) copies of the document is available for your review in Land Division office, Room 220.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact Lydia Morikawa at 0. Thank you.

Attachments

( ) We have no objections.
( ) We have no comments.
( ) Comments are attached.

Signed: __________________________
Date: __________________________

cc: Central Files
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Is this Tener well? 0354-07? What about 3054-08?
TOTAL depth of well 30.6 ft

4x4 x 6'

6' Cement Grout 0-40°
Sharp End To Solid Rock

Per Grade To 6% ann. space

Period Between PVC + Steel To 1/2

12-12 Bemite 

13-14' Cement

44' per cimento to 20.6

Anchorspace 0-6' Cement

PVC Perforated 17-30°

6-12' per grade

Steel perforated 17-18

12-18 Bemite

13-14' Cement

14-30' per grade

PVC + 0 Steel 6-12' Cement

12-13 Bemite

13-14' Cement

14-36' per grade

PVC Cap and Rock

1611 OCT - 6
AH 8.33
1-2'  Dirt + Rock
2-16' Solid Rock
16-18' Broken Water Rock + Dirt
18-30' Solid Rock

Diameter of Well: 30" - 40"

Steel perforated 17'-19'
PVC perforable 17'-30'
Dear Mr. Cullen:

Well Completion Report Parts I & II for Well No. 0354-07

We have received your Well Completion Report Parts I & II for the Keonekuino-Teves Well (Well No. 0354-07). However, the following matters need to be addressed before your report is complete:

1. The well dimensions do not add up correctly. The elevation of the wellhead is shown as 24 ft., mean sea level (msl). The total depth is shown as 31 ft. However, the total length of solid casing, perforated casing, and open hole equals 91 ft.

2. The annular space is inadequate for proper grouting. The hole diameter is shown as 16 inches. The solid casing is shown as 16 inches. There is no space left for grouting.

3. The water level is reported as two different numbers. The as-built well section shows the water level at 16 ft., msl. The cover sheet of the WCR1 shows the water level as 10.30 ft., msl. You indicated that this water level is standing water over impervious rock from a perched stratum 14-17 feet below the wellhead grade. It fluctuates with pumpage. Please clarify the initial water level after casing the well, but before pumping.

4. The benchmark elevation is not correctly marked. The wellhead ground elevation is shown as 24 ft., msl. The top of casing is about two feet higher (as expected). The benchmark is at 16 feet elevation (below ground). The preferred benchmark is typically the top of the concrete pad protecting the casing.
5. The pump is rated at 10 gpm in one place, and 3700 gpm in another. The currently installed pump is described as a temporary Chicago submersible rated at 10 gpm, but with too low a yield. But the permanent pump yet to be installed is described as a Grundfos solar pump of the same 10 gpm rating. This is not consistent. Please clarify.

Until these matters are addressed, we can not issue the certificate(s) of well construction completion and/or pump installation completion that transfer(s) responsibility of all aspects of well usage and maintenance to the well operator/landowner.

The well may not be pumped for purposes other than well and aquifer testing until the certificates of 1) well construction completion and 2) pump installation completion have been issued. Otherwise, such pumping would violate the permit conditions.

Since the permit is issued to the contractor, the contractor will be responsible for any non-testing pumpage violations when the certificates of completion have not been issued (where pumping tests are as defined in the Hawaii Well Construction and Pump Installation Standards).

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 $5,000 per day.

If you have any questions, please contact Charley Ice of the Commission staff at

Sincerely,

WILLIAM M. TAM
Deputy Director

CI:ss

c: Harvey Teves
Hello Charlie, Thanks for meeting with me yesterday, and also the follow-up emails including the application forms. I know that I will be needing your help in getting these completed correctly. I’ll go over them and get back to you soon. I’ll go ask the previous owner, Charles Bostwick for any they may have regarding the old well/watering hole, and raising cattle on this property.

Thanks again. HT

----- Original Message ----- 
From: Charley.F.Ice
To: tapu@
Sent: Tuesday, August 23, 2011 4:24 PM
Subject: dug well

I am sending you two forms. one to memorialize the details of the pond as a "dug well". We have no registration of this, so see if you can find any information what ranch may have started it off. The application will enable us to show mainenance improvements, too.

The other is the form for modifying your existing water use permit:

Call me with your questions. The form is supposed to be user-friendly, but it asks for a lot of info, and I'll glad to help you keep it simple.
Professional and Vocational Licensing (PVL) Search - General Licensee

<table>
<thead>
<tr>
<th>GENERAL LICENSEE</th>
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<tbody>
<tr>
<td>LIC ID: CT-27841</td>
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<tr>
<td>NAME: CLIFT C CULLEN</td>
</tr>
<tr>
<td>TRADE NAME:</td>
</tr>
<tr>
<td>STATUS: CURRENT, VALID &amp; IN GOOD STANDING</td>
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<tr>
<td>ENTITY: INDIVIDUAL</td>
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<td>ORIG LIC DATE: 04/27/2007</td>
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<tr>
<td>CLASS PREFIX: C</td>
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<td>RESTRICTION:</td>
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<td>CONDITIONS AND LIMITATIONS:</td>
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Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808) 587-3295.

License information on this site reflects information in the Professional and Vocational Licensing Division as of August 9, 2011; however, applications and forms are subject to standard processing time, and the information here does not reflect pending changes which are being reviewed. The site is updated daily, Monday through Friday, except holidays.
The State of Hawaii makes no guarantees as to the accuracy of the information accessed, the timeliness of the delivery of transactions, delivery to the correct party, preservation of the privacy and security of users and makes no warranties, including warranty of merchantability and fitness for a particular purpose. User is advised that if the information obtained herein is to be reasonably relied upon, user should confirm the accuracy of such information with the provider thereof.

Professional and Vocational Licensing (PVL) Search - License Class

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<td>C57</td>
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http://pvl.ewhawaii.gov/pvlsearch/app?_a=d&_f=n&lictp=CT&licno=27841&off=&nm=CLIFT%20C%20CULLEN... 8/9/2011
July 5, 2011

Commission of Water Resource Management

Attn: Mr. Charles Ice

Subject: Well Completion Reports 1 & 2

Dear Charles,

Since drilling the well in 2008 (Sept.) we’ve progressed and built the building, installed the sewer system, and entire electrical system. We had intended to complete the permanent well pump (solar pump) sooner, however, Cliff Cullen couldn’t due to some physical ailments. He is recovered now and we hope to continue with the well’s permanent pump later this summer. Attached is the subject completion reports and request that we be granted permission to carry on with this well project. If there is any other information you may need please call me at 808-728-9105 or email me.

Thank you,

Harvey Teves
Hi Charlie, Thanks for the drawing. That really helps a lot. Just what I had in mind. When you get a chance can you email me a completion notice form for the first well, and an application for the 2nd well (pond). Is there a State computer site that I may download these forms? Appreciate your drawing. Aloha HT

----- Original Message ----- 
From: Charley.F.Ice@OLNR.HI.US  
To: tapu@hawaii.edu  
Sent: Wednesday, May 04, 2011 8:43 AM  
Subject: Fw: pond pump diagram  

Sorry, I sent this to the wrong Teves! Good thing he's a friend

----- Forwarded by Charley F Ice/DLNR/StateHIUS on 05/04/2011 08:42 AM -----  
Charley F Ice/DLNR/StateHIUS  
05/03/2011 02:16 PM  

To: Glenn Teves  
cc:  
Subject: pond pump diagram  

Good thing you asked -- now I appreciate how complicated it gets! (See how much easier a regular well is -- except to install!)
MEMO and ROUTE SLIP (ver4/29/10/10) 08/05/11

WCR 2 Check for Well No. 0354-07 (GW regulation route)

1. From Roy (initial)

Pump Tests Check (special condition of PIP? Yes/No)

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step-Drawdown Test: followed WCPI Stds analysis attached</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Aquifer Pump Test: followed WCPI Stds T &amp; S analysis attached</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Potential Well Interference:</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Potential Stream Impacts:</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Additional Testing or Data Required:</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Pump Test Comments Attached:</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Proposed Pump Capacity is OK:</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

2. Pump Installation Check Charley/Ryan (initial)

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>NA</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>data complete followed Special Cond &amp; Elevations well database updated</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

ATTACHMENTS FOR ACCEPTANCE:
1WCR2 ACCEPTANCE LETTER
2PUMP INST. COMPLETION CERTIFICATE
3METER INSTALL. REPORT (IF NECESSARY)
4WUR FORM (if necessary)
5USGS MAP UPDATED
6PARCEL CHECK
7WELL DATABASE INPUT CHECK
8PUMP TEST WORKSHEET
9PUMP As-Built CHECK PRINT

To be sent to driller
To be sent to landowner/operator
Staff internal checks

3. Roy (initial) check(Entered WCR 2/PICC accept date into database)

4. Susan H. (initial) finalize

5. Bill (initial) signature

6. Charley/ Ryan File
## WELL COMPLETION REPORT - PART II
### Pump Installation

**State of Hawaii**  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources

**Instructions:** Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 511-3341. For updates to this form or additional information, please visit our website at [http://www.hawaii.gov/dlnr/cwrm/](http://www.hawaii.gov/dlnr/cwrm/)

<table>
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<tr>
<th>Field</th>
<th>Information</th>
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</thead>
<tbody>
<tr>
<td>1. State Well No.:</td>
<td>0354-07</td>
</tr>
<tr>
<td>Well Name:</td>
<td>KEOVE KUNO-TEVES</td>
</tr>
<tr>
<td>Island:</td>
<td>MOLOKAI</td>
</tr>
<tr>
<td>2. Address:</td>
<td>KAMEHAMEHA HWY (6% mi. mauka)</td>
</tr>
<tr>
<td>3. Pump Installation Company:</td>
<td>C &amp; H WELL DRILLING</td>
</tr>
<tr>
<td>4. Date Pump Installed:</td>
<td>9/30/2008</td>
</tr>
<tr>
<td>5. PERMANENT PUMP INFORMATION</td>
<td></td>
</tr>
<tr>
<td>Pump Type, Make, Serial No.:</td>
<td>CHICAGO SUBMERSIBLE PUMP MODEL 93820</td>
</tr>
<tr>
<td>Rated Capacity:</td>
<td>3760 gpm</td>
</tr>
<tr>
<td>Motor Type, H.P., Voltage, rpm:</td>
<td>1/2 H.P.</td>
</tr>
<tr>
<td>Pump type (check one):</td>
<td></td>
</tr>
<tr>
<td>☐ Deep Well Turbine</td>
<td>☐ Rotary</td>
</tr>
<tr>
<td>☐ Submersible</td>
<td>☐ Propeller</td>
</tr>
<tr>
<td>☐ Centrifugal</td>
<td>☐ Rotary-Displacement</td>
</tr>
<tr>
<td>☐ Impulse</td>
<td>☐ Reciprocating</td>
</tr>
<tr>
<td>☐ Impulse</td>
<td>☐ Impulse</td>
</tr>
<tr>
<td>6. Method of flow measurement:</td>
<td></td>
</tr>
<tr>
<td>☐ Flowmeter w/ totalizer</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>☐ Other, explain and attach schematic</td>
<td>5 GALLON BUCKET</td>
</tr>
<tr>
<td>7. Fill in the as-built section on the other side of this sheet.</td>
<td></td>
</tr>
<tr>
<td>8. Attach the rating curve for the installed pump.</td>
<td></td>
</tr>
<tr>
<td>9. Attach photograph of well clearly showing the benchmark on the concrete pad, the well head, and the method of flow measurement.</td>
<td></td>
</tr>
<tr>
<td>10. Well Owner Company</td>
<td>HARVEY TEVES TRUST</td>
</tr>
<tr>
<td>Address:</td>
<td>Hi 96734</td>
</tr>
<tr>
<td>Fax:</td>
<td></td>
</tr>
<tr>
<td>11. Land Owner Company</td>
<td>SAME</td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>Phone:</td>
<td></td>
</tr>
<tr>
<td>Fax:</td>
<td></td>
</tr>
<tr>
<td>12. Remarks</td>
<td>PERMANENT PUMP TO BE INSTALLED SUMMER 2011. ALREADY ON-SITE SOLAR POWERED GRUMPHOS3-SQF-2, SN 95027332 FLOW RATE 10 GPM, PRESENTLY LOW YIELDING WELL APPROX 150 GPD, REPLACEMENT TO BE REPORTED V/A WCR 2</td>
</tr>
</tbody>
</table>

**Pump Installation Contractor (print)**  
CLIFF C. CULLEN C-57/C-57a/A Lic. No. C-278-41

**Signature**  
CLIFF C. CULLEN  
Date: JUNE 14, 2011
7. **AS-BUILT PUMP SECTION** *(Please attach as-built if different from diagram provided below)*

- **Bench mark elevation**
  - surveyed to nearest 0.01 ft. = 24.75 ft. mean sea level

- **Elevation of top of chase tube**
  - 26.75 ft. mean sea level

- **Pump intake depth**
  - = [Blank] ft.
  - (referenced to bench mark)

- **Chase tube depth**
  - = [Blank] ft.
  - (referenced to bench mark)

- **If airline installed, bottom of airline elevation**
  - = [Blank] ft. mean sea level
March 1, 2011

Mr. Clift C. Cullen
c/o Harvey Teves

Dear Mr. Cullen:

Expiration of Well Construction/Pump Installation Permit for Well No. 0354-07

This is notice that your Well Construction/Pump Installation Permit for the Keonekuino-Bostwick (Teves) Well (Well No. 0354-07) expired on December 4, 2008.

Based on your conversation with staff, we understand no work was done and there are no current construction plans for the well; therefore, the permit expiration date will not be extended. You can reapply for a new permit at any time in the future should you decide to recommence this activity.

Please be aware that no further work should be done on this well without a valid signed permit nor can it be pumped without valid well and pump completion certificates. Work without a valid and active permit or failure to adhere to conditions of the permit is a violation of the state water code and may be subject to fines of up to $5,000 per day.

If you have any questions, please contact Charley Ice of the Commission staff at

Sincerely,

WILLIAM M. TAM
Deputy Director

Cl:ss
June 2, 2009

Mr. Harvey Teves

Dear Mr. Teves:

Extension of Pump Installation Permit
Keonekuino-Teves Well (Well No. 0354-07)

Thank you for your office visit on May 19, 2009 to request an extension of an expired permit for pump installation at the captioned Molokai well. We understand that your licensed contractor is battling a long-term illness and has been unable to complete the work as expected. Moreover, there have been delays on other approvals from Maui County agencies, which has set back the timing. While our rules specify that extensions be requested prior to the expiration, we are approving your request by this letter, understanding that considerable uncertainty and competing demands played a role in your making the request belatedly.

By your request, the new expiration date is December 4, 2010. If additional extension is required, we may extend it, upon timely request, only by approval of the Commission. Please keep this letter with your permit for reference.

From further discussions with your driller and with us on June 2, 2009, we also understand that you are seeking advice regarding continuing to drill deeper than the current -1 ft. e.l., to penetrate the heavy impermeable layer currently at the bottom of the hole (16 feet of this layer so far), and that the only water encountered was actually perched water above that layer. Thus, the well drilled from 30 ft. e.l. encountered the only water at 15 ft. Therefore, you would like to make a determination about further drilling before transmitting a well completion report for that portion of the work. At this point, the only pump you have is a sump pump run off a welding generator.

We understand that your licensed contractor is expecting to complete the work in December of this year, and then to complete the well completion reports within 60 days of completing the work. Please keep us informed of your progress.

If you have any questions, please contact Charley Ice of our staff at....

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
c: Mr. Clift Cullen
PLEASE: Review & Comment
Type Draft
Type Final
File
Copies: ___
Take Action:

---

Licensed contractor needs to do; sick at home, coming in July

Hard to justify extension when well is already operating?

So should be just submit current pump w/WCR

and either 1) submit 2nd WCR if pump capacity is same
or 2) submit new RFP for pump replacement larger?
May 29, 2009

Mr. Harvey Teves

Dear Mr. Teves:

Remaining Steps for Completion of Water Supply

It is our understanding that your water supply could not be satisfied from your Keonekino-Teves Well (Well No. 0354-07), because of low yield in the well. Consequently, you will be seeking to use water from a spring on your property. Also, you are planning to install a solar pump in the well to reduce electricity costs for the small amount available from that source.

These, then will be the requirements to complete this work:

1) The licensed contractor must file the well completion reports part I & II (well construction and pump installation) for work already completed on well and main electrical pump. As the permit has expired, this is technically due already, but we understand your contractor is battling a long-term illness and is doing the best he can. Therefore, you do not need an extension of the permit.

2) The solar pump has not yet been permitted, so a new application should be filed prior to commencing work, identifying the type of pump and nominally how the system will run. A licensed contractor should sign this application. When that work is done, another well completion report, part II would be filed for the second pump.

3) Use of the spring will require a diversion works permit application, including drawings of the installation, standpipe, etc., and possibly a petition to amend a surface water flow standard. This would be circulated to members of the Molokai Water Working Group for their review. These you can prepare, and we are here to assist that process.

If you have any questions, please contact Charley Ice of the Commission staff at [redacted].

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

Cl:ss

c: Clift Cullen
Hi Charlie, Thanks for the info. Yes, am aware of Oasis being on Molokai—they have tons of work at Kawela. I've suggested the Markham's contact them for a price to do their well. Clift Cullen is coming to do the solar pump install for me this summer in late July. I'll have the small pump house up by then. 
Hopefully it will be operational by August.

Aloha HT 

----- Original Message ----- 
From: Charley.F.Ice 
To: Harve Teves 
Sent: Wednesday, May 20, 2009 2:47 PM 
Subject: Re: Keonekuino-Teves well (well no. 0354-07)

In case you were unaware, Oasis Water Systems is currently doing some drilling and pump installation for Kawela Plantation. I wasn't sure if Clift had been able to do everything you had in mind, with him getting sick. If you or others on Molokai needed assistance, I thought you might want to take advantage of a rig on-site. You could contact Betsy Lis. I wonder if they might help complete the paperwork, even.

Charley Ice 
Hydrologist 
Hawaii Water Commission 

Good morning Charley. I should have explained in more detail the reason for the extension request. Presently there is a submersible motorized pump installed in the well that operates by generator. Electric power should be installed on the property within 3 months by Maui Electric's latest estimate. I use the present system to drain the well periodically to exercise the system. Now that there is final SMA approval I can build the 6' X 8' pump house next to the well. The end objective is to replace the present pump with a submersible solar pump. The solar panels will be installed on the roof of the pump house. A 80 gallon bladder tank will be installed in the pump house along with the proper valves, which will connect to the water lines going to the 2500 gallon holding tank on the hill some 180 yds away. Couldn’t do any of this work till I received complete SMA approval, which I received 2 weeks ago. I probably don’t need a full
year's extension, however, through my experience in dealing with Maui County on Molokai speed and efficiency is not a factor. Now that the building permit is in order I can start the farm warehouse and plan to do so in 3 weeks. This building is 48' X 36' X 18' high, and is to be located 25' makai of the well.

I understand that the spring has to be treated separately.

I hope the above answers your question. Thank you for your time.

Aloha, Harvey Teves

----- Original Message ----- 
From: Charley F. Ice
To: Harvey Teves
Sent: Tuesday, May 19, 2009 12:49 PM
Subject: Re: Keonekuino-Teves well (well no. 0354-07)

Thanks, Harvey. Is the pump installed? Are you simply needing to construct the pump house and install more delivery piping, storage, etc.? We'll have to treat the spring separately, and I'll let you know as soon as I can how much of an application you'll need and what sort of testing we'd ask for to inform reviewers about potential impacts. From your description, it sounds plausible.

Charley Ice
Hydrologist
Hawaii Water Commission

"Harve Teves" <charley.f.ice@hawaii.gov>
To <charley.f.ice@hawaii.gov>
cc <charley.f.ice@hawaii.gov>
Subject: Keonekuino-Teves well (well no. 0354-07)

05/19/2009 12:22 PM

References: 1) Your Dept's. letter to me dtd. Sept. 19, 2007
2) Our conversation yesterday @ u'r office 5/17/09

Hi Charlie, As per my ref's. above, firstly, I request a one year extension to complete the well to a functioning stage. I very recently got SMA approval from the Molokai Planning Commission to complete work on my project, which included the pump house, holding tank and necessary water lines, so I can
<table>
<thead>
<tr>
<th>FROM: Charley</th>
<th>DATE: 19 N 09</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO: IMATA, R.</td>
<td>INIT. KAWAHARA, K.</td>
</tr>
<tr>
<td>TO: MILLS, D.</td>
<td>INIT. HARDY, R.</td>
</tr>
<tr>
<td>TO: UYENO, D.</td>
<td>INIT. SAKODA, E.</td>
</tr>
<tr>
<td>TO: CHONG, R.</td>
<td>INIT. NAKAMA, L.</td>
</tr>
<tr>
<td>TO: CHENG, C.</td>
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<tr>
<td>TO: LAROUX, E.</td>
<td>INIT.</td>
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<tr>
<td>TO: OYHE, M.</td>
<td>INIT.</td>
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<tr>
<td>TO: FUJII, N.</td>
<td>INIT.</td>
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<tr>
<td>TO: YOSHINAGA, M.</td>
<td>INIT.</td>
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<tr>
<td>TO: SWANSON, S.</td>
<td>INIT.</td>
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<tr>
<td>TO: KUNIMURA, I.</td>
<td>INIT.</td>
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<tr>
<td>TO: ENGLAND, D.</td>
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</table>

**PLEASE:**
- Review & Comment
- Type Draft
- Type Final
- File
- Copies: ___
- Take Action:
- Please See Me

**FOR:** Approval Signature Information

**INIT:**
- KAWAHARA, K.
- HARDY, R.
- SAKODA, E.
- NAKAMA, L.
- TORRES, R.
- KAWAHARA, K.
- HARDY, R.
- SAKODA, E.
- NAKAMA, L.
- TORRES, R.

**File Copies:**

Your email says work is done.

"..." 

1. What do we need from him to install a standpipe to tap the pond for emergency fire flow?

2. I'm assuming he needs to complete a SW Appl., but they're not designated on Molokai, so not WUPA.. what do we use to tap springs? MVP? only?

3. Given the illness of the contractor, I'm open to an extension and the question would be whether the pump is 'installed,' is it just delivery piping and pumphouse? (I'll respond to ask)
Hi Charlie,

As per my ref's. above, firstly, I request a one year extension to complete the well to a functioning stage. I very recently got SMA approval from the Molokai Planning Commission to complete work on my project, which included the pump house, holding tank and necessary water lines, so I can commence work to complete the well process.

As I discussed with you yesterday the well is not producing anywhere near the intended amount of 45000gpd. In fact it's producing approximately 1000 gpd. sufficient for household usage and drinking only.

There is a large pond/spring on the same property:(tmk 5-5-001-007) approximately 180' downhill from the well. The size of the pond is 16' wideX 65" long and varies between 4' and 6'deep. It contains about 40,000 gallons of water at any given time and is potable for animal consumption. I've used a Honda 3" water pump 5.5 hp for 3 hours pumping @ 250 gpm and it didn't have any noticeable lowering of the pond level. There is plenty of water coming into this pond and emptying out across the highway and into the ocean. No neighbors are dependent on this water. The closest neighbor is nearly 1/2 mile away.

I request using this pond for 2 reasons. Firstly for a water source for "fire control" for the farm warehouse being built approx. 110' uphill (between the pond and subject well (requirement : 5000 gallon holding supply by the fire dept.) and, secondly, for irrigation of the farm as it develops. The combined total water usage of the subject well, irrigation and fire needs from the pond need not exceed the total permitted 45000 gpd granted for keonekuino-Teves well no. 0354-07. So I will not need more water for the entire development. I just need the water from the pond to satisfy the fire dept. requirement and later to use more water for irrigation also. The fire dept. may require a "standpipe" next to the pond to connect their equipment in the case of fire and at present are determining their "hookup" needs if any.

I will clean and maintain the pond and keep it functioning better and cleaner than at present.

If you have any questions or need more data pls call me @ or email me at this address.

Thank you

Harvey Teves
owner

May 18, 2009
FYI - found this in the file for the previous SMA Assessment (see attached). Should still be applicable to this proposal.

Mahalo,
Nancy

Nancy McPherson
Staff Planner, Molokai
Co. of Maui Planning Dept.

County of Maui.
IT Security measures will reject attachments larger than 11 MB, and will block or quarantine high-risk file types in attachments.
August 17, 2008

Luigi Manera
Architectural Drafting Service

Dear Mr. Manera:

Makulelaun- Kamalo, Island of Moloka‘i
TMK: (2) 5-5-001; 007

The aforementioned permit is for an additional single family residence.

We believe that "no historic properties will be affected," because:

☐ Intensive cultivation has altered the land
☒ Residential development/urbanization has altered the land
☐ Previous grubbing/grading has altered the land
☐ An accepted archaeological inventory survey (AIS) found no historic properties
☐ SHPD previously reviewed this project and mitigation has been completed
☒ Other: Based on pictures of the project area, it appears to be graded

In the event that historic resources, including human skeletal remains, are identified during routine construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional disturbance, and the State Historic Preservation Division, needs to be contacted immediately at (808) 692-8015.

If you have any questions, please call me.

Aloha,

Nancy McMahon, Deputy SHPO/State Archaeologist
Historic Preservation Manager/Deputy Administrator
State Historic Preservation Division

NM:

EXHIBIT 6
<table>
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<th>FROM:</th>
<th>ROY</th>
<th>DATE:</th>
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<th>TO:</th>
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New drilled collar with no footing. Should ask if was O.K. of original drillers obtained the permit. The well owner notified us of a change in drillers and followed our procedure to make the change.

*No liability insurance*
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I don't think need to reprocess and WP 751 covers amount of increase. Question might be if 45,000 gpd and WP is too high, especially since pump (105 rpm) can only supply 14,000 gpd. Please respond about updates and this question and extension approval.
### Professional and Vocational Licensing (PVL) Search - License Class

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<td>C57</td>
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LIC: CT-27841 CLIFT C CULLEN

http://pvl.ehawaii.gov/pvlsearch/app?_f=n&_a=LC&licno=27841&lictp=CT&off=0&nm=...  9/13/2007
WELL CONSTRUCTION PERMIT
Keonekino-Teves, Well No. 0354-07

Note: This permit shall be prominently displayed at the construction site until the work is completed

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 Keonekino-Teves (Well No. 0354-07) at TMK 5-5-1:7, Molokai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission) shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrrnlforms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

5. 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.

6. 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 immediately contact the Department of Land and Natural Resources' Division of Historic Preservation.

7. 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 cumulative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrrnlforms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. 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 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 the date the permit expires.

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

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(o).

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

Date of Approval: December 4, 2005
Expiration Date: December 4, 2007

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a preconditions and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: Cliff G. Collen
C-57 License #: C27841
Date: 9/24/07

Printed Name: Cliff G. Collen
Firm or Title: C H WELL DOLLING

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

Attachment
Ref: 0354-07.wcp

Mr. Paul Frandsen
American Drilling

Dear Mr. Frandsen:

Well Construction Permit
Keonekuino-Teves (Well No. 0354-07)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for a permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

2. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Charley Ice of the Commission staff at

Sincerely,

Peter T. Young
Chairperson

Enclosures

c: Harvey Teves (with applicable comments – DOH SDWB, WWB, CWB, Land Division)
USGS
Maui DWS
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 Keonekuino-Teves Well (Well No. 0354-07) at TMK 5-5-1:7, Molokai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), 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. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 10 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water-level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within 60 days after completion of work. This form can be obtained by contacting staff or on the internet at www.hawaii.gov/dlnr/cwrm.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

9. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

10. 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 the date the permit expires.

11. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: December 4, 2005
Expiration Date: December 4, 2007
PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until the pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer's Signature: C-57, C-57a, or A License
Printed Name: CLIFT C. CULLEN
Firm or Title: C H A WELL DRILLERS

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

Attachments
Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize 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 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

3. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

The permittee is responsible for **all** conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

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

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Charley Ice of the Commission staff at [number redacted]

Sincerely,

Peter T. Young
Chairperson

Enclosure

c: Harvey Teves (with applicable comments – DOH SDWB, WWB, CWB, Land Division)
   USGS
   Maui DWS
Mr. Harvey Teves

Dear Mr. Teves:

Extension of Well Permits, Change of Contractor, and Request for Increased Pumpage

Keonekuino-Teves Well (Well No. 0354-07)

Thank you for your letter dated September 6, 2007, requesting a one-year extension to your well construction and pump installation permits, identifying a new licensed contractor to do your well construction and pump installation work, and requesting assistance to increase the amount allowed under your permit.

By this letter, your request for extension is approved. The new expiration date is December 4, 2008. All other conditions of your permits remain the same. Please file this letter with your permit for reference.

Your new contractor is duly registered and accepted. We are enclosing copies of your well construction and pump installation permits for him to sign before work begins. Once they are signed, we will reissue the permits in his name.

It is not necessary to amend your water use permit for the requested increase. It was originally approved for Charles Bostwick (WUP No. 442) for 45,000 gallons per day (gpd), and although your initial request on the pump installation permit application was only 4,500 gpd, the new requested amount of 8,000 still falls within the approved amount. The request pump size of 10 gallons per minute (gpm) can produce 14,400 over a 24-hour period, so it also can produce your requested amount without any changes to permits. It seems that your foreseeable requirements are actually much less than your water use permit (WUP No. 751) amount, and subject to modification by the Commission. If you plan on retaining the full 45,000 gpd, please inform us of your plans to do so.

If you have any questions, please contact Charley Ice of our staff at.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

Cl:ss
Enclosures
Sept. 6, 2007

State of Hawaii
Dept. Of Land and Natural Resources
Commission on Water Resources Management

Attn: Mr. Charles Ice

Subject: Ground water use Permit: State well 0354-07

Ref: 1) Our phone conversation yesterday 9/05/07.
2) Application change enclosed.

Dear Mr. Ice,

Enclosed is the revised application for well construction and pump installation. The only change on the application is the well driller and pump installation contractor. The contractor plans to begin construction of the well on Nov. 1, 2007. At present the well drilling rig is being prepared to ship from California to Molokai later this month.

I am requesting a one year extension to Nov. 2008 to the well permit. Hopefully this extension will give us sufficient time to get everything done properly, such as: test borings, surveys, as well as construction of the well and pertinent paperwork, necessary to complete the process.

Secondly, I am requesting an increase in the water withdrawal to 8000 g.p.d. versus the 4500 g.p.d. previously approved. This will give us the water supply we need for the agricultural crops and buildings we intend on the property.

I hope our requests meet with your approval and that we get this well project done successfully and in good time.

Aloha,

Harvey Teves
**STATE OF HAWAII**  
**DEPARTMENT OF LAND AND NATURAL RESOURCES**  
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT**

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For further information and updates to this application form, visit [http://www.hawaii.gov/dlnr/cwrm](http://www.hawaii.gov/dlnr/cwrm).

**RECEIVED 07 SEP 6 10:13**

### WELL LOCATION INFORMATION

1. **STATE WELL NO.** (if already assigned)  
2. **WELL NAME**  
3. **ISLAND**  
4. **TMAK**  
5. WELL OPERATOR'S NAME/COMPANY  
6. LANDOWNER'S NAME/COMPANY  
7. Well Operator's Mailing Address  
8. Landowner's Mailing Address  
9. Well Operator's E-mail  
10. Landowner's Phone  
11. Landowner's Fax  
12. Landowner's E-mail  

### PROPOSED WELL CONSTRUCTION

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<td>Install New Pump</td>
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<td>Flowmeter</td>
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<td>Modify Existing Well</td>
<td>shaft</td>
<td>Replace Pump</td>
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<td>Open Pipe</td>
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<tr>
<td>Abandon/Seal Well</td>
<td>tunnel</td>
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<td></td>
<td>Well</td>
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<td>Orifice</td>
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### PROPOSED PUMP INSTALLATION

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<tr>
<td>4500 gpd</td>
<td>(a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)</td>
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### PROPOSED USE

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<th>16. Domestic (Number of units to be served)</th>
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### OTHER LEGAL REQUIREMENTS

If required, items 21. and 22. must be obtained before the Commission can legally issue a permit:

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<tr>
<th>21. Conservation District Use Permit (CDUP)</th>
<th>22. Special Management Area Permit (SMAP)</th>
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<tr>
<td>Required, CDUP # date approved</td>
<td>Required, SMA # date approved</td>
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### HISTORIC PRESERVATION DIVISION (HPD)

I have not consulted with the HPD regarding potential impacts of well construction activities on historic sites. I understand checking with the HPD prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

### ADDITIONAL REQUIREMENTS

- Additional requirements, explanations, etc. (attach additional sheet if more space is needed)

**NOTE:** Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge.

Further, the signatories understand that upon permit approval: 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 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5000/day.

24. WELL DRILLER (Must be filled out if application is for Well Construction)  
**Cliff C. Cullen C-27841**

25. BUMP INSTALLER (Must be filled out if application is for Pump Installation)  
**Cliff C. Cullen C-27841**
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

- **Grouting method:**
  - [ ] Positive displacement
  - [ ] Other

- **Annular space between hole and casing:** 1.5" for positive displacement, 3" for other methods

- **Total Depth:** ______________ ft.

- **Rock or Gravel Packing:**
  - Material: Crushed Basalt
  - Crushed Gravel

- **Estimated Water Level Elevation:** ______________ ft. msl

- **Grouting method:**
  - [ ] Positive
  - [ ] Other

- **Solid Casing:** (90% x (Ground Elev. - Water Level Elev.))
  - Total Length: ______________ ft.
  - Nominal Diameter: ______________ in.
  - Wall Thickness: ______________ in.
  - Bottom Elevation: ______________ ft. msl

- **Open Casing:**
  - Perforated
  - Screen

  - Total Length: ______________ ft.
  - Nominal Diameter: ______________ in.
  - Wall Thickness: ______________ in.
  - Bottom Elevation: ______________ ft. msl

- **Open Hole:**
  - Length: ______________ ft.
  - Diameter: ______________ in.
  - Bottom Elevation: ______________ ft. msl

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = \( \frac{\text{Water Elevation} - \text{1/4 x Water Level Elev.}}{4} \)

Example: Estimated +2 ft. Water Level Elev. \( \Rightarrow \) Bottom Elevation of Well Limit = \( \frac{2 - \frac{1}{4} \times 2}{4} \) = -1.85 ft.

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

- **Stainless Steel:** (check one):
  - [ ] ASTM A409 (production wells)
  - [ ] ASTM A512 (monitor wells)

- **ABS Plastic conforming to ASTM F480 and ASTM D1527:** (check one):
  - [ ] Schedule 40
  - [ ] Schedule 80

- **PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241):** (check one):
  - [ ] Schedule 40
  - [ ] Schedule 80
  - [ ] Schedule 120

- **Thermoset Plastic:** (check one):
  - [ ] Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - [ ] Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - [ ] PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - [ ] FEP Fluorocarbon Tubing conforming to ASTM D3296

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

- **Stainless Steel:** (check one):
  - [ ] ASTM A409 (production wells)
  - [ ] ASTM A512 (monitor wells)

- **ABS Plastic conforming to ASTM F480 and ASTM D1527:** (check one):
  - [ ] Schedule 40
  - [ ] Schedule 80

- **PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241):** (check one):
  - [ ] Schedule 40
  - [ ] Schedule 80
  - [ ] Schedule 120

- **Thermoset Plastic:** (check one):
  - [ ] Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - [ ] Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - [ ] PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - [ ] FEP Fluorocarbon Tubing conforming to ASTM D3296

WCPI App. Form 05/12/05
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 27841, Honolulu, HI 96823. Application must be accompanied by 10 copies of a non-refundable filing fee of $25.00 payable to the State of Land and Natural Resources. Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-587-0313. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwrm.

WELL LOCATION INFORMATION

1. STATE WELL NO. (If already assigned)__________________________
2. WELL NAME__________________________
3. ISLAND__________________________
4. TMK ____________________________
   5. WELL OPERATOR'S NAME/COMPANY__________________________
   6. LANDOWNER'S NAME/COMPANY__________________________
   LANDOWNER'S MAILING ADDRESS ____________________________
   Well Operator's Mailing Address ____________________________

The following must be attached before this application is accepted as complete:

1. Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
2. Property tax map, showing well location referenced to established property boundaries
3. Photograph of the proposed well site
4. A schematic diagram showing the well site, access road and proposed well infrastructure

PROPOSED WELL CONSTRUCTION

7. Proposed Work
   I] Construct New Well
   I] Modify Existing Well
   I] Abandon/Seal Well
   I] Replacement Well
   8. Construction Type
   I] Drilled
   I] Dug
   I] Shaft
   I] Tunnel

PROPOSED PUMP INSTALLATION

10. Proposed Work
   I] Install New Pump
   I] Replace Pump
11. Proposed Pumping Rate, gpm
   (gallons per minute)__________10__________
   12. Proposed Amount of Withdrawal, gpd (gallons per day) __________4500__________
   13. Method of flow measurement
   I] Flowmeter
   I] Open Pipe
   I] Weir
   I] Orifice
   I] Other (explain) __________BUCKET__________
   14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

OTHER LEGAL REQUIREMENTS if required, Items 21. and 22. must be obtained before the Commission can legally issue a permit:

21. Conservation District Use Permit (CDUP)
   I] Required, CDUP # ____________________________ date approved __________
   I] Not Required (attach documentation from OCCL)
   I] I have not checked with OCCL about whether or not a CDUP is required. I understand that checking with OCCL prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

22. Special Management Area Permit (SMAP)
   I] Required, SMAP # ____________________________ date approved __________
   I] Not Required (attach documentation from applicable County agency)
   I] I have not consulted with the county about whether or not an SMAP Permit is required. I understand that checking with the County prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

23. Historic Preservation Division (HPD) of the Department of Land and Natural Resources
   I] I have consulted with the HPD regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPD.
   I] I have not consulted with the HPD regarding potential impacts of well construction activities on historic sites. I understand that checking with the HPD prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued. Additionally, the history of past land use is attached.

Additional remarks, explanations, etc. (attach additional sheet if more space is needed) ____________________________________________________________________________

NOTE: Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 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 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5000/day.

24. WELL DRILLER (Must be filed out if application is for Well Construction)
   Signature ____________________________ Print ____________________________ Date ____________________________
   Business Name ____________________________ Licenses / Permits ____________________________
   License(s) ____________________________ Date ____________________________

25. PUMP INSTALLER (Must be filed out if application is for Pump Installation)
   Signature ____________________________ Print ____________________________ Date ____________________________
   Business Name ____________________________ Licenses / Permits ____________________________
   License(s) ____________________________ Date ____________________________

For Official Use Only:

RECEIVED __________07 SEP 6__________ AID: 13__________

COMMISSION ON WATER RESOURCE MANAGEMENT
STATE OF HAWAII

Phone ____________________________ Fax ____________________________ E-mail ____________________________
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Elevation at top of casing _____ ft., msl*

Cement Grout: _____ ft.
(min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

Annular space between hole and casing (1.5" for positive displacement, 3" for other methods)

Rock or Gravel Packing:

Material: Crushed Basalt

Total Depth: _____ ft.

Estimated Water Level Elevation: _____ ft., msl*

Minimum of 2 Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

Ground Elevation: _____ ft., msl*

Solid Casing: (c. 90% x (Ground Elev. - Water Level Elev))

Total Length: _____ ft.

Nominal Diameter: _____ in.

Wall Thickness: _____ in.

Bottom Elevation: _____ ft., msl*

Open Casing: Perforated

Total Length: _____ ft.

Nominal Diameter: _____ in.

Wall Thickness: _____ in.

Bottom Elevation: _____ ft., msl*

Open Hole:

Length: _____ ft.

Diameter: _____ in.

Bottom Elevation: _____ ft., msl*

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

Bottom Elevation of Well Limit = \( \frac{\text{Water Elevation} - 41 \times \text{Water Level Elev}}{2} \)

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = \( \frac{2 - (41 \times 2)}{2} \) = -16.5 ft.

Solid Casing Material:
Carbon Steel: compliant with (check one or more): ○ ANSI/AWWA C200 ○ API Spec. 5L ○ ASTM A53 ○ ASTM A139
And compliant with (check one or more): ○ ASTM A242 (or A606) ○ Type E ○ Type S ○ Grade B ○ Other

Stainless Steel: (check one):
○ ASTM A409 (production wells)
○ ASTM A312 (monitor wells)

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
○ Schedule 120
○ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):
○ Schedule 120
○ Schedule 80

Thermoset Plastic: (check one)
○ Filament Wound Resin Pipe conforming to ASTM D2997
○ Centrifugally Cast Resin Pipe conforming to ASTM D2997
○ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
○ Glass Fiber Reinforced Plastic Pressure Pipe conforming to AWWA C950
○ PTFE Fluorocarbon Tubing conforming to ASTM D3296
○ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
Carbon Steel: compliant with (check one or more): ○ ANSI/AWWA C200 ○ API Spec. 5L ○ ASTM A53 ○ ASTM A139
And compliant with (check one or more): ○ ASTM A242 (or A606) ○ Type E ○ Type S ○ Grade B ○ Other

Stainless Steel: (check one):
○ ASTM A409 (production wells)
○ ASTM A312 (monitor wells)

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
○ Schedule 120
○ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):
○ Schedule 120
○ Schedule 80

Thermoset Plastic: (check one)
○ Filament Wound Resin Pipe conforming to ASTM D2996
○ Centrifugally Cast Resin Pipe conforming to ASTM D2997
○ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
○ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
○ PTFE Fluorocarbon Tubing conforming to ASTM D3296
○ FEP Fluorocarbon Tubing conforming to ASTM D3296

WCPI App. Form 05/12/05
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<th>TO: ANAKALEA, P.</th>
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<th>TO: KUNIMURA, I.</th>
<th>INIT:</th>
<th>FOR: Approval</th>
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called, with message 05 Jan 06

Kim Markham
558-0180
5-7-44 3:20
-- Ken Kalinae, Chelanard
AMERICAN DRILLING COMPANY

License #C13131

December 29, 05

I INTEND TO START WORK ON THE KEONEKUIINO - TEVES WELL NO.0354-07 ON MOLOKAI ABOUT JAN. 15,06.
WELL CONSTRUCTION PERMIT
Keonekuino-Teves, Well No. 0354-07

Note: This permit shall be prominently displayed at the construction site until the work is completed.

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 Keonekuino-Teves (Well No. 0354-07) at TMK 5-5-1-7, Molokai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission) shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dnr/cwrrn/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

5. 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.

6. 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 immediately contact the Department of Land and Natural Resources Division of Historic Preservation.

7. 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 or the authorization to construct the well shall not constitute a determination of correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dnr/cwrrn/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. 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 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 the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project 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.

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: December 4, 2005
Expiration Date: December 4, 2007

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: ____________________________  C-57 License #: 13131  Date: 12-20-05

Printed Name: Paul Frandsen  Firm or Title: American Drilling

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
Ref:0354-07.wcp

Mr. Paul Frandsen
American Drilling

Dear Mr. Frandsen:

Well Construction Permit
Keonekuino-Teves (Well No. 0354-07)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for a permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

2. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Charley Ice of the Commission staff at [phone number]

Sincerely,

Peter T. Young
Chairperson

Enclosures

c: Harvey Teves (with applicable comments – DOH SDWB, WWB, CWB, Land Division)
USGS
Maui DWS
WELL CONSTRUCTION PERMIT

Keonekuino-Teves, Well No. 0354-07

Note: This permit shall be prominently displayed at the construction site until the work is completed

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 Keonekuino-Teves (Well No. 0354-07) at TMK 5-5-1:7, Molokai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), [REDACTED] shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrrn/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basalt ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basalt ground water unless otherwise authorized by the Chairperson.

5. 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.

6. 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 immediately contact the Department of Land and Natural Resources' Division of Historic Preservation.

7. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established in-stream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrrn/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission is incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. 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 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 the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project 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.

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: December 4, 2005
Expiration Date: December 4, 2007

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller’s Signature: ___________________________ C-57 License #: 13131 ___________________________ Date: ___________________________

Printed Name: Paul Frandsen Firm or Title: American Drilling

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

Attachment
Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize 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 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

3. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

The permittee is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

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

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Charley Ice of the Commission staff at [phone number]

Sincerely,

[Signature]

Peter T. Young
Chairperson

Enclosure

c: Harvey Teves (with applicable comments – DOH SDWB, WWB, CWB, Land Division)
USGS
Maui DWS
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 Keonekuino-Teves Well (Well No. 0354-07) at TMK 5-5-1:7, Molokai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission) 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. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 10 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water-level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within 60 days after completion of work. This form can be obtained by contacting staff or on the internet at www.hawaii.gov/dlnr/cwrm.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

9. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

10. 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 the date the permit expires.

11. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: December 4, 2005
Expiration Date: December 4, 2007

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer’s Signature:_________ C-57, C-57a, or A License #: 13131 Date:_________

Printed Name: Paul Frandsen Firm or Title: American Drilling

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

Attachments
FROM: CHARLEY
DATE: 07 Dec 05
SUSPENSE DATE: 

TO: ANAKALEA, P.
TO: BAUER, G.
TO: CHING, F.
TO: DANBARA, S.
TO: FUJI, N.
TO: GOODING, K.
TO: HARDY, R.
TO: HIGA, D.
TO: ICE, C.
TO: IMATA, R.

INIT: NAKAMURA, I.
INIT: NAKANO, D.
INIT: OYE, M.
INIT: SAKODA, E.
INIT: SWANSON, S.
INIT: UYENO, D.
INIT: YODA, K.
INIT: YOSHINAGA, M.

TO: UNIMURA, I.
TO: AKAMA, L.
TO: AKANO, D.
TO: OHYE, M.
TO: SUBIA, S.
TO: SWANSON, S.
TO: UYENO, D.
TO: YODA, K.
TO: YOSHINAGA, M.

TO: Initiative
TO: Approval
TO: Signature
TO: Information
TO: Take Action
TO: Type Draft
TO: Review & Comment
TO: Type Final
TO: Xerox copies

WELL NUMBER 0354-07
WELL NAME Keonekuino-Teves

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 OCCL
10 SMA
11 WELL CHECK PRINTOUT

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 OCCL
10 SMA
11 GLENN'S WORKSHEET

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

Where's Pip? applied to
eh, right!
November 3, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Keonekuino-Teves (Well No. 0254-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff.

CI:ss Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Division of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Public Water Systems, §11-25-29.

[2] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before installing such an individual water system. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[3] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross connections and backflow connections by physically separating potable and non-potable systems by a dry gap or an approved backflow preventer, and by clearly labeling all supply pipes with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[4] It does not appear that this well will be used for consumptive purpose and is not subject to Safe Drinking Water Regulations.

[5] For the applicant's information, a source of possible wastewater contamination [ ] is not located near the proposed well site (information attached).


[7] Other relevant DHR rules/regulations, information, or recommendations are attached.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections.

Contact Person: Bill Wong
Signed: Bill Wong
Phone: [Redacted]
Date: Nov 8, 2005

Signed: Bill Wong
Phone: [Redacted]
Date: Nov 8, 2005
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Keonekuino-Teves Well (Well No. 4-0354-07 Molokai):

Underground Injection Control (UIC) Comments:

1. The proposed well section details appear to be in error and should be corrected; and

2. In general, a shallow well, or a well that recharges quickly from local rainfall, should not be used as a potable water source because such a well increases the risk of having unsatisfactory groundwater quality. Factors that directly influence a well's groundwater quality include wastewater disposal systems (cesspools, septic systems, drainage wells), lawn/garden/crop-growing activities, and even the proximity to the ocean where salt water intrusion may occur. Also, caution and diligence should be exercised when using the water for irrigation to make sure that the use is as-intended and safe.
November 3, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Keonekuino-Teves (Well No. 0554-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Lee of the Commission staff.

Cl:ss
Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of possible water to a public water system (defined as serving 25 or more people at 60 days per year or 15 or more service connections) and must meet the Director of Health approval prior to use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Possible Water Systems, §11-20-29. [1]

[1] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at 60 days per year or 15 service connections) and if the well is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planning use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[1] If the well is used to supply both potable and non-potable purposes in a single system, the user 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. Backflow prevention devices should be routinely inspected and tested.

[1] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[1] For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

[1] An NPDES permit is required.

X

Other relevant DOH rules/regulations, information, or recommendations are attached.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[1] No comments/objections

Contact Person: Stephen Wong
Phone: [Redacted]
Date: [Redacted]

Signed: [Redacted]
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 201, Honolulu, Hawaii 96814. Inquiries may be directed to the Clean Water Branch at [contact information].

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
November 3, 2005

TO:           Russell Tsuji, Administrator  
               Land Division

FROM:         Dean Nakano, Acting Deputy Director  
               Commission on Water Resource Management

SUBJECT:      Well Construction/Pump Installation Permit Application  
               Keonekuino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff.

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[X] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. _______________________

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[X] Other comments: Original source of private title is Grant 693 issued prior to statehood.

Contact Person: Gary Martin  
Phone: ________________

Signed:  _______________  Date:  NOV - 8 2005
Wastewater Branch

STATE OF HAWAII
DEPARTMENT OF HEALTH

STATE MESSENGER DELIVERY

Date: 11-10-05

To: Commission on Water Resource Management
Department of Land & Natural Resources
State of Hawaii

Attn: Chartey Ice

From: Lori Kajiwara Mon'kami
Planning & Design Section
Email: [redacted]

Subject: Well Construction/Pump Installation Permit/Water Use Permit for
Well No. 0354-07 Keonekuino-Tevas

Please find enclosed the application of the above subject project.

STATE MESSENGER DELIVERY
TO:  Honorable Chiyome L. Fukino, M.D., Director
      Department of Health
      Attention:  Director’s Office
              Harold Yee, Wastewater Branch
              William Wong, Safe Drinking Water Branch
              Alec Wong, Clean Water Branch

FROM:  Peter T. Young, Chairperson
        Commission on Water Resource Management

SUBJECT:  Well Construction/Pump Installation Permit Application
          Keonekuino-Teves (Well No. 0354-07)

November 3, 2005

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at __________.

RESPONSE:
[  ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.
[  ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.
[  ] If the well is used to supply both potable and non-potable purposes in a single system, the user 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. Backflow prevention devices should be routinely inspected.
[  ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.
[  ] For the applicant’s information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).
[  ] An NPDES permit is required.
[  ] Other relevant DOH rules/regulations, information, or recommendations are attached.
[  ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person:  Lori Monkami

Signed:  Lori Monkami

Phone:  __________

Date:  11-10-05
### Well Check Program
**4/1/04 - Revised for update to Well Standards (February 2004)**

#### Data Input

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>0354-07</td>
</tr>
<tr>
<td>Well Name</td>
<td>Keonekuino-Teves</td>
</tr>
<tr>
<td>Ground Elevation</td>
<td>70</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>60</td>
</tr>
<tr>
<td>Grouting Method</td>
<td>other</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>12</td>
</tr>
<tr>
<td>Total Depth</td>
<td>80</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>6</td>
</tr>
<tr>
<td>Public Water Supply Well?</td>
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</tr>
<tr>
<td>Solid Casing Material</td>
<td>pvc plastic</td>
</tr>
<tr>
<td>Solid Casing Specification</td>
<td>ASTM A53</td>
</tr>
<tr>
<td>Solid Casing Length</td>
<td>60</td>
</tr>
<tr>
<td>Solid Casing Diameter</td>
<td>6</td>
</tr>
<tr>
<td>Solid Casing Wall Thickness</td>
<td>0.25</td>
</tr>
<tr>
<td>Open Casing Length</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Results

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Depth</td>
<td></td>
</tr>
<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>246</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
<td>61.5</td>
</tr>
<tr>
<td>Depth of Well below Sea Level</td>
<td>-10 okay</td>
</tr>
<tr>
<td>Well Casing</td>
<td></td>
</tr>
<tr>
<td>Minimum Wall Thickness Material</td>
<td>pvc plastic</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
<td>no requirement</td>
</tr>
<tr>
<td>Wall Thickness Provided</td>
<td>0.25 too small</td>
</tr>
<tr>
<td>Minimum Length of Solid Casing</td>
<td>57.6</td>
</tr>
<tr>
<td>90% of ground to top of aquifer</td>
<td>60 okay</td>
</tr>
<tr>
<td>Length of solid casing Provided</td>
<td>60 okay</td>
</tr>
<tr>
<td>Casing Material</td>
<td>ASTM A53</td>
</tr>
<tr>
<td>(for pvc only - check for 200' limit)</td>
<td>okay</td>
</tr>
<tr>
<td>Annular Space</td>
<td></td>
</tr>
<tr>
<td>Depth of Grouting</td>
<td>44.8</td>
</tr>
<tr>
<td>Calculated Depth of Grouting</td>
<td>60 okay</td>
</tr>
<tr>
<td>Minimum Annular Space required</td>
<td>2</td>
</tr>
<tr>
<td>Thickness of Annular Space</td>
<td>3 okay</td>
</tr>
</tbody>
</table>
Well Construction/Pump Installation Permit Application for Well No. 0354-07

We acknowledge receipt, on October 4, 2005, of your completed Well Construction/Pump Installation permit application and filing fee for the Keonekuino-Teves (Well No. 0354-07). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By this acceptance letter, we are also notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of well construction/pump installation completion letter is issued to the well operator and landowner. Additionally, the permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity. No certificate of pump installation will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. In other words, you may need to remove the pump and install a smaller pump at the Commission's discretion before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at the phone number.

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

Cl:ss
Attachment
c: Harvey Teves
Charles Bostwick
November 3, 2005

TO: Honorable Chiyome L. Fukino, M.D., Director
    Department of Health
    Attention: Director's Office
    Harold Yee, Wastewater Branch
    William Wong, Safe Drinking Water Branch
    Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
    Keonekuino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit 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 December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff.

Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title II, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

If the well is used to supply both potable and non-potable purposes in a single system, the user 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. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

An NPDES permit is required.

Other relevant DOH rules/regulations, information, or recommendations are attached.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

Contact Person: ___________________________ Phone: ________________
Signed: _____________________________ Date: ___________________
November 3, 2005

TO: Russell Tsuji, Administrator
    Land Division

FROM: Dean Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Keonekuino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

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

Cl: ss
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ________________________

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
November 3, 2005

TO: Melanie Chinen, Administrator
    Historic Preservation

FROM: Dean Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
          Keonekino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. **Please respond by returning this cover memo form by December 4, 2005.** If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application or request additional review time, please contact Charley Ice of the Commission staff at [ ] If you require additional information regarding specific information that can be provided by the applicant, please contact the applicant directly at the contact information provided on the application form.

**RESPONSE:**

[ ] This is a [ ] public (county or state) project [ ] private project and [ ] will [ ] may disturb historic sites.

[ ] We concur that the work described under this permit will not disturb historic sites.

[ ] We do not concur that the work described under this permit will not disturb historic sites. We require the following for our concurrence:

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
Mr. Michael W. Foley, Director  
Planning Department  
County of Maui

Dear Mr. Foley:

Special Management Area Use Permit requirements for  
Well Construction/Pump Installation Permit Application  
Konekuino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the SMA permitting requirements specific to your division. Please respond by returning this cover memo form by December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at .

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

RESPONSE:

[ ] This well project requires [ ] does not require a SMA. If a SMA is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: Robyn L. Loudermilk  
Phone:  
Signed: Robyn L. Loudermilk  
Date: 12/5/05
Mr. Michael W. Foley, Director  
Planning Department  
County of Maui

Dear Mr. Foley:

Special Management Area Use Permit requirements for  
Well Construction/Pump Installation Permit Application  
Keonekuino-Teves (Well No. 0354-07)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the SMA permitting requirements specific to your division. Please respond by returning this cover memo form by December 4, 2005. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

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

Sincerely,

DEAN A. NAKANO  
Acting Deputy Director

RESPONSE:

[ ] This well project [ ] requires [ ] does not require a SMA. If a SMA is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
November 3, 2005

Ms. Sri Ten Cate
Molokai Public Libraries

Dear Ms. Ten Cate:

Please find enclosed a copy of an application for well construction/pump installation permit, being circulated on Molokai as a courtesy for information. The application is for a well permit previously approved but expired, under an approved water use permit. We request your assistance in posting the enclosed item at the Molokai Public Library for public review and access.

Thank you for your consideration in this matter. If you have any questions, or are unable to accommodate this request, please contact Charley Ice at [redacted]

Sincerely,

W. Roy Furry

DEAN A. NAKANO
Acting Deputy Director

Attachment
CI: ss
TO: Other Interested Parties
FROM: Dean A. Nakano, Acting Deputy Director
Commission on Water Resource Management
SUBJECT: For Your Information
Well Construction/Pump Installation Permit Application
Kawela Ground Water Management Area, Molokai

As a courtesy to the Molokai Water Working Group in its advisory capacity to the Commission, we transmit for your information a copy of a well construction/pump installation permit application for Well No. 0354-07. This well had formerly been permitted to Charles Bostwick, but was never constructed, and the permit had expired. The portion of the property where the well site is located now belongs to Mr. Harvey Teves, the applicant. The well will use water under existing water use permit WUP No. 442, which has been transferred to Mr. Teves. No changes are anticipated to the original expired well construction permit.

If you have any questions or request additional information, please contact Charley Ice at

CI:ss
Attachment(s)
<table>
<thead>
<tr>
<th>Name &amp; Address</th>
<th>Phone</th>
<th>Fax</th>
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<tbody>
<tr>
<td>Sri TenCate</td>
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<tr>
<td>Moloka'i Library</td>
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<tr>
<td>Rebecca Alaka'i</td>
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<tr>
<td>Malia Akutagawa, Chair</td>
<td>Moloka'i Planning Commission</td>
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<td>Mahealani Davis</td>
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C'WMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS
FROM: CHARLEY
DATE: 11-Oct-05
TO: BAUER, G., CHING, F., FUJII, N., GOODING, K., HARDY, R., HIGA, D., ICE, C., IMATA, R., KUNIMURA, I.
TO: NAKAMA, L., NAKANO, M., NAKODA, E., SUBIA, S., SWANSON, S., UYENO, D., YODA, K., YOSHINAGA, M.
SUSPENSE DATE: 18-Oct-05
PLEASE:
See Me
Review & Comment
Take Action
Type Draft acknow letter
Type Final w/elec signat., label file folder
File
Xerox copies

WELL NUMBER 0354-07
WELL NAME Keonekuino-Teves

☐ WELL CONSTRUCTION ☐ PUMP INSTALLATION ☑ BOTH

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER ☑
2 PERMIT PROCESS TABLE ☑
3 CWRM MAP ☑
4 APPL. FORM (11 COPIES) ☑
5 USGS MAPS (11 COPIES) ☑
6 TAX MAPS (11 COPIES) ☑
7 PARCEL OWNER VERIF. ☑
8 CONTRACTOR VERIF. ☑
9 ALL INFO FILLED IN ☑
10 BACKGROUND CHECK ☑
11 $25 FEE DEPOSIT SLIP ☑
12 DHP/CDUP/SMA pre-screen ☑

FOLDER:
☑ MADE NEW FILE FOLDER, ATTACHED
☐ FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:
DATE ACTION
11-Oct-05 See Sheet 1 immediately below
4-Oct-05 requested Maui Planning verification of SMA boundary rec'd dir from Bostwick transferring WUP. New #:
所需 to apply for WUP? If they want PIP (small individual well?) shouldn't letter immediately below suffice?
WUP attached; proper transfer record attached

DON'T START OUR letter!
## Commission on Water Resource Management
### Route Slip for New Applications

**From:** CHARLEY  
**Date:** 13-Sep-05  
**Suspense Date:** 20-Sep-05

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<th>INIT</th>
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<td>BAUER, G.</td>
<td>____</td>
<td>NAKAMA, L.</td>
<td>____</td>
<td>1 Approval</td>
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<td>CHING, F.</td>
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<td>NAKANO, D.</td>
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<td>1 Review &amp; Comment</td>
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<td>FUJII, N.</td>
<td>____</td>
<td>OHYE, M.</td>
<td>____</td>
<td>3 Information</td>
<td>____ Take Action</td>
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<td>____</td>
<td>SAKODA, E.</td>
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<td>2 Type Final w/elec.signat., label file folder</td>
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<td>HARDY, R.</td>
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<td>SUBIA, S.</td>
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<td>KUNIMURA, I.</td>
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<td>YOSHINAGA, M.</td>
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### Attachments for Application Processing - Both applicant & staff generated

1. TRANS. LETTER  
2. PERMIT PROCESS TABLE  
3. CWRM MAP  
4. APPL. FORM (11 COPIES)  
5. USGS MAPS (11 COPIES)  
6. TAX MAPS (11 COPIES)  
7. PARCEL OWNER VERIF.  
8. CONTRACTOR VERIF.  
9. ALL INFO FILLED IN  
10. BACKGROUND CHECK  
11. $25 FEE DEPOSIT SLIP  
12. DHP/CDUP/SMA pre-screen

**Folder:**  
- MADE NEW FILE FOLDER, ATTACHED  
- FILE FOLDER ALREADY MADE, IN FILE CABINET

### Incomplete Action Dates:

<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTION</th>
</tr>
</thead>
</table>
| ____ | ? small individual wells exempt?  
| ____ | Requires WUPA before PIP. Already in place: Bostwick 4x2  
| ____ | missing several application questions. Hard time finding driller; has experience drilling and could have partner ship rig from CA cheaper than quote from Basins. Will look into licensing. Will also send resume - I'm wondering if we would consider alternatives for such situations. If bonding is the main thing, he had contractor's license and bonding.  
| ____ | Bostwick never drilled (same reason?), permit expired Sep. 2000 resubmitted  
| ____ | complete WUPA by contractor ID'd  
<p>| ____ | ____ | Oct. 2000 |</p>
<table>
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<th>Taxkey</th>
<th>Subdiv/Condo Tnr</th>
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<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
<th>Liv area</th>
<th>Last Sale Instr</th>
<th>Price</th>
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<tr>
<td>2-5-5-1-7</td>
<td>F</td>
<td>MAKOLELAU-KAMALO</td>
<td>TEVES, HARVEY A REVOC TR</td>
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<td>0</td>
<td>7/20/2004</td>
<td>QD</td>
<td>$263,000</td>
<td></td>
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</tbody>
</table>

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
### PUBLIC RECORD DATA

**TMK # 2-5-5-1-7**

**MAKOLELAU-KAMALO**

**Owner:** TEVES, HARVEY A REVOC TR  
**Tax Payer:** TEVES, HARVEY A  
**Tax Bill:** 562 IANA ST, KAILUA, HI 96734 USA

**Tenure:** Fee Simple  
**Annual Tax:** $60.00

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<th>Dwellings:</th>
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**SALES**

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<td>TRANSD-MF</td>
<td>RICE EDWARD O REVOC LIV TR $0 Doc 94-108283</td>
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<td>8/30/1994</td>
<td>TRANSD-M</td>
<td>MCCORRISTON COLLEEN REV LIV TR $0 Doc 94-143693</td>
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<td>TRANSD-MF</td>
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<td>TEVES, HARVEY A, Trustee(Tenants in Severalty) $110,000 Doc 04-100432</td>
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<td>*UNDER THAT CERTAIN UNRECORDED REVOCABLE TRUST OF HARVEY A TEVES DATED JUNE 5, 1997 REVOCABLE TRUST OF HARVEY A TEVES, Revocable Trust(Tenants in Severalty)</td>
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<td>TEVES, HARVEY A, Trustee(Revocable Trust) $263,000 Doc 04-147522</td>
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<td>*HARVEY A. TEVES REVOCABLE TRUST DATED JUNE 5, 1997, WITH FULL POWERS</td>
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<td>HARVEY A TEVES REVOCABLE TRUST, Revocable Trust(Revocable Trust)</td>
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### PUBLIC RECORD DATA

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<th>Taxkey</th>
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.

Search Results

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Assessed Values reflect tax year 2005.

Search criteria: TMK Taxkey 2-5-5-1-7
**LICENSE SCREEN**

[Look up License Type Codes->]

Please click a link listed below to display the other screen.

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For prior complaints and disciplinary history, contact licensing and business information center at (808)587-3295.

<-Back    New Search->

EMPLOYEES LIST    |    EMPLOYERS LIST    |    INSURANCE/BOND    |    LICENSE CLASS

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Hawaii State homepage    |    DCCA    |    Professional and Vocational Licensing Division

http://pahoehoe.ehawaii.gov/pvl/app?_a=d&_f=n&lictp=CT&licno=13131&off=&nm=PAUL+E+FRA... 10/12/2005
**LICENSE CLASS SCREEN**

Please click a link listed below to display the other screen.

There was 1 specific license class on this licensee!

***** LICENSE CLASS FOR THIS LICENSEE *****

LIC: CT-13131  PAUL E FRANDSEN

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EMPLOYEES LIST || EMPLOYERS LIST || INSURANCE/BOND || LICENSE CLASS

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Hawaii State homepage || DCCA || Professional and Vocational Licensing Division

http://pahoehoe.ehawaii.gov/pvl/app?_f=n&_a=LC&licno=13131&lictp=CT&off=0&nm=PAUL+E+FR... 10/12/2005
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REMARKS: LINE (1) TMK: 5-5-001:007

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LINE (9)
LINE (10)
STATE OF HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management. Application must be accompanied by 10 copies and a non-refundable filing fee of $100 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at: 808-586-8267. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/dwm.

WELL LOCATION INFORMATION

1. STATE WELL NO. (if already assigned) 2. WELL NAME 3. ISLAND 4. TAK

The following must be attached before this application is accepted as complete:

- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure

5. WELL OPERATOR'S NAME/COMPANY

6. LANDOWNER'S NAME/COMPANY

Additional remarks, if any

NOTE: Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 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 60 days after the completion date of the permit approval; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5000/day.

PROPOSED WELL CONSTRUCTION

7. Proposed Work

8. Construction Type

9. Is this well part of a battery of wells? Yes No

10. Proposed Work

11. Proposed Pumping Rate, gpm

13. Method of flow measurement

14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

15. Municipal (water systems serving greater than 25 individuals or 15 service connections)

16. Domestic Number of units to be served:

17. Irrigation (describe crop and no. of acres)

18. Other (describe)

19. Historic Preservation District Permit (HPDP) of the Department of Land and Natural Resources

20. Other (describe)

21. Conservation District Use Permit (CDUP)

22. Special Management Area Permit (SMAP)

23. Historic Preservation District Permit (HPDP) of the Department of Land and Natural Resources

24. Water Well Driller (must be listed if application is for Well Construction)

25. Pump Installer (must be listed if application is for Pump Installation)

For Official Use Only:

Official License No.

Licensee business name

License business name

Licensee business name

Address

Address

Address

Phone

Phone

Phone

Fax

Fax

Fax

Email

Email

Email

Print Date 05/12/05

Print Date 05/12/05

Print Date 05/12/05

For: Hand Delivered Other

Print (Check)

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PROPOSED WELL SECTION

(Please attach schematic if different from diagram provided below)

HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS
Please refer to the

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

For non-salt water Basal Wells, final elevations shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For application filing, final elevations shall be referenced to a benchmark established by a surveyor licensed by the State. The approximate elevation must be referenced to mean sea level (msl) at the time of application filing.

Example: Estimated + 2 ft. Water Level Elev. - Bottom Elevation of Well Limit = (Water Level Elevation - 2 ft.) x 4 ft. = 18.5 ft.

Solid Casing Material:
Carbon Steel: compliant with (check one or more): □ ANSI/WWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
And compliant with (check one or more): □ ASTM A242 (or A606) □ Type E □ Type S □ Grade B □ Other
Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
Thermoset Plastic: (check one): □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifically Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517 □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950 □ PTFE Fluorocarbon Tubing conforming to ASTM D3296 □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
Carbon Steel: compliant with (check one or more): □ ANSI/WWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
And compliant with (check one or more): □ ASTM A242 (or A606) □ Type E □ Type S □ Grade B □ Other
Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
Thermoset Plastic: (check one): □ Filament Wound Resin Pipe conforming to ASTM D2996 □ Centrifically Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517 □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950 □ PTFE Fluorocarbon Tubing conforming to ASTM D3296 □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Please ensure that the as-built is in compliance with applicable standards.
Mr. Harvey Teves

Dear Mr. Teves:

Well Construction/Pump Installation Permit Application for Keonekuino-Teves Well

We have received your Well Construction/Pump Installation permit application and filing fee for the Keonekuino-Teves Well. However, your application is incomplete. Matters which must be addressed before we accept your application as complete are as follows:

1. Item #11 of the application form, proposed pumping rate;
2. Item #13, method of measuring flow;
3. Item #14, name of surveyor unless survey is being deferred;
4. Page 2 of the application form, the schematic diagram of proposed well construction and materials to be used.

We understand that the above items will be addressed upon hiring a licensed driller. Upon receipt of the above information, we will accept your application as complete and you can then expect your application to be processed within ninety (90) days.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at [redacted].

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

CI:ss
Attachment
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For us to accept an application, we must verify landowner.
Is he not landowner yet? If not, we need to have them come in this frame. Also, we need to assign a number.

We don't need to be enrolled.

(record shows landowner authorized action)

(original)
Mr. Charles Bostwick

Dear Mr. Bostwick:

Extension of Well Construction Permit
Keonekūino-Bostwick Well (Well No. 0354-07)

Thank you for your letter of November 24, 1998, requesting an extension of your well construction permit. We understand that you are in the process of clearing a quiet title action before proceeding. As your water use permit will not be reviewed for another two years for possible revocation due to four years of non-use, we are by this letter extending your well construction permit to coincide with that date. Your well construction permit will, therefore, expire on September 24, 2000.

If you have any questions, please call Charley Ice at [redacted].

Sincerely,

TIMOTHY E. JOHNS
Deputy Director

CI:ss
Charles M. Bostwick

November 24, 1998

Mr. Charles Ice
State Water Commission
State of Hawaii

Dear Mr. Ice,

This letter is a request for an extension for my Water Use Permit and Well Construction Permit for Well No. 0354-07, WUP No. 442 of the KAWELA Ground Water Management Area, MOLOKAI.

Due to unforeseen circumstances involving the title to the property, work has yet to be completed. These problems are in the process of being cleared up by an attorney and we can expect clear title within 12 months.

Please extend my permits for as long as possible and inform me as to the length of the extension. Please note that I have a different P. O. Box Number although it is still located in Mt. View.

Thank you for your help in this matter.

Sincerely,

Charles M. Bostwick

(808) 968-6523
Mr. Charles Ice  
State Water Commission  
State of Hawaii  

Dear Mr. Ice,

This letter is a request for an extension for my Water Use Permit and Well Construction Permit for Well No. 0354-07, WUP No. 442 of the KAWELA Ground Water Management Area, MOLOKAI.

Due to unforeseen circumstances involving the title to the property, work has yet to be completed. These problems are in the process of being cleared up by an attorney and we can expect clear title within 12 months.

Please extend my permits for as long as possible and inform me as to the length of the extension. Please note that I have a different P. O. Box Number although it is still located in Mt. View.

Thank you for your help in this matter.

Sincerely,

Charles M. Bostwick  
(808) 968-6523
Charley, should we hold permit in abeyance until then? If so, let's tell them. Thanks.

On second thought, I've called to discuss my applicant; they'll decide whether to amend the application. They are working on a CDUA, but having trouble getting the process straight and may not meet our deadline. We can still process another one with portion of applicant.
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/Pump Installation Permit Application for
            Keoneku‘ino-Bostwick Well (Well No. 0354-07)

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 July 31, 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 Charley Ice of the Commission staff at [redacted].

Attachment(s)

CLASS

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

Contact Person: Bill Wong

Signed: Bill Wong

Date: 7/23/96
To: Charley Ice, DLNR, Commission on Water Resource Management

From: William Wong, P.E., Chief

Subject: WELL CONSTRUCTION/PUMP INSTALLATION PERMIT APPLICATION

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Application for:

Keoneku'ino-Bostwick Well (Well No. 0354-07)

Federal and state regulations define a public water system as a system that serves 25 or more individuals at least 60 days per year or has at least 15 service connections. All public water system owners and operators are required to comply with Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems.

The application indicates that this will be a new source of potable water. Section 11-20-29 of Chapter 20 requires that all new sources 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.

The permit application indicates that the source will be used for potable water and irrigation. If the well doesn't provide water to a public water system, I recommend the private owner perform bacteriological and chemical analyses prior to useage as a drinking water source and thereafter perform routine analyses to monitor the water quality. Also the potable water system shall be protected from the irrigation system by an approved backflow preventor.

WW:la

Enclosures
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/Pump Installation Permit Application for
Keonekino-Bostwick Well (Well No. 0354-07)

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 July 31, 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 Charley Ice of the Commission staff at [phone number].

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

Contact Person: Lori N. Kajiwara
Phone: [redacted]

Signed: Lori N. Kajiwara
Date: 7-10-96
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 Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application for  
Keoneku'ino-Bostwick Well (Well No. 0354-07)

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 July 31, 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 Charley Ice of the Commission staff at 1.

Class
Attachment(s)

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

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June 6, 1996

Commission on Water Resource Management

Subject: Bostwick Well No. 1
Keonokuino, Molokai

Attention: Charlie Ice

Dear Sir:

Enclosed please find the completed application for a "Well Construction" permit which I would like to have submitted to the Commission along with the "Water Use" permit application which I submitted on April 29, 1996.

Also enclosed per your request is a letter from Florence M. Schultz, one of the land owners, which authorizes the applicant, Charles Bostwick, to act on her behalf.

Please let me know if you have any further questions.

Sincerely yours,

David W. Curtis

encl.
c: Charles Bostwick
APPLICATION FOR PERMIT

1. APPLICANT: (circle primary contact a, b, or c) Primary Fax:
   (a) WELL OWNER
   Firm Name: Charles Bostwick
   Contact Person: same
   Address: 
   (b) LANDOWNER
   Firm Name: 
   Contact Person: 
   Address: 
   (c) CONTRACTOR
   Firm Name: 
   Contact Person: 
   Address: 

2. WELL LOCATION/NAME: Bostwick Well NO. 1
   Address: East Molokai, Keonokuino
   Tax Map Key: 5-01:7,9,19,26

3. (a) PROPOSED WORK:
   □ Drill New Well  □ Deepen  □ Install New Pump
   □ Modify Existing Well  □ Redditch  □ 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: 35 gallons per minute
   Pump Type:
   □ Deep Well Turbine  □ Rotary  □ Propeller  □ Gas
   □ Submersible  □ Rotary-Displacement  □ Reciprocating  □ Diesel
   □ Centrifugal  □ Rotary-Gear  □ Impulse  □ Electric, rated horsepower: 3
   If Pump Replacement, Existing Pump Capacity: _______ gallons per minute

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   □ 25,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   □ Flow-meter  □ Open-pipe  □ Orifice Plate  □ Weir

7. PENDING ACTIONS:
   □ CDUA  □ SMA  □ EIS  □ EA  □ NONE  □ Other (explain)
   Completion Date: 

8. REMARKS, EXPLANATIONS:

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.

For Official Use Only:

Well Owner: Charles Bostwick
Signature: ____________________________
Date: May 30, 1996

Landowner: Florence Schultz 1/12 et al
Signature: ____________________________
Date: May 30, 1996

Contractor: ____________________________
Signature: ____________________________
Date: ____________________________
9. PROPOSED WELL SECTION

Elevation at top of casing
41 ft., msf

Cement Grout
3 ft.

Rock Packing
0 ft.

Hole Diameter: 5-7/8 in.

Total Depth
70 ft.

Ground Elevation:
40 ft., msf

Solid Casing:
Material: sch.40 black pipe
Length: 40 ft.
Diameter: 4 in.
Wall thickness: in.

Casing: ☐ Perforated ☐ Screen
Material: none
Length: in.
Diameter: in.
Wall thickness: in.
Openings: sq. in. A.F.

Open Hole:
Length: 30 ft.
Diameter: 3-7/8 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.
TMK(2) 5-5-001: 006
B. P. BISHOP ESTATE ETAL
(OWNER)

PARCEL FIRST
(45.976 ACRES)

1) 5-5-001: 006
ACRES

2) 5-5-001: 007
ACRES

from Real Property Mapping