SECTION 1: WELL LOCATION INFORMATION

Island  MAUl
Aquifer System  KOOLAU
Aquifer Sector  HAIKU

Proposed Use  Domestic
Proposed Withdrawal  14000
System Sustainable Yield  31

SECTION 2: WELL SECTION DATA  (enter data in grey cells only)

Elevation at top of casing: 201 ft., m.s.l.
Ground Elevation: 200 ft., m.s.l.
Cement Grout: 160 ft.
Rock Packing: 0 ft.
Hole Diameter: 12.25 in.
Total Depth: 225 ft.

Estimated Head: 2.5 ft., m.s.l.
Calculated Aquifer Thickness: 102.5 ft.

County Water Supply (Y/N?): NO

Solid Casing
Material: Plastic
Designation: Sch 40
Length: 205 ft.
Diameter: 8 in.
Wall Thickness: 0.25 in.

Casing
Material: Plastic
Designation: Sch 40
Length: 20 ft.
Diameter: 6 in.
Wall Thickness: 0.25 in.
Openings: 0 sq.in./l.f.

Open Hole
Length: 0 ft.
Diameter: 0 in.

SECTION 3: CHECKLIST  (values to check are shaded)

Well Depth
Theoretical Thickness of Aquifer: 102.5 ft.
1/4 Aquifer Thickness: 25.63 ft.
Depth of Well below Sea Level: 25 ft. okay (refer to HWCPIS Section 2.2)

Well Casing
Minimum Wall Thickness
Material
PVC
County or Non-County
non-county
Minimum Thickness per standards
0.280 in.
Wall Thickness Provided
0.250 in. too small (refer to HWCPIS Section 2.4 c)

Minimum Length of Solid Casing
90% of ground to top of aquifer
177.8 ft.
Length of solid casing Provided
205 ft. okay (refer to HWCPIS Section 2.4 d)

Casing Material
Sch 40 okay (refer to HWCPIS Section 2.4 e)

Annular Space
Depth of Grouting
Calculated Depth of Grouting: 138.3 ft.
Depth of Grouting provided: 160 ft. okay (refer to HWCPIS Section 2.6 c)

Thickness of Annular Space
3.125 in. okay (refer to HWCPIS Section 2.6 d)
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Aloha Mr. Ice,

I am writing you to update the situation with the SMA permit for Malikobay Subdivision, that is serviced by the two wells installed and completed by Wailani Drilling in 2002, n.5620-06 and n.5620-05. The Maui Planning Commission has met 3 times (One site visit), and finally agreed to grant SMA Approval to the project, including the wells, as Private Water System (last week tuesday 11).

I have agreed with the Planning Commission to build the distribution line for water to County Standards, so that in the future the owners can install a water meter, when became available. I will send you a copy of the Approval letter, and start filing Pupmage reports.

Thank you for your help.

Kindly

Francesco Moretti

Malikobay Trading Co.
MEMO and ROUTE SLIP 5620-06

WCR 2 Check for Well No. 5548-01 (survey to regulation memo)

1. **Pump Tests Check** (special condition of PIP? Yes/No) Glenn Bauer (initial if yes)
   - Yes □ □
   - No □ □
   - If no, describe deficiency
   - Step-Drawdown Test:
     - followed WCPI Stds □ □
     - analysis attached □ □
     - proposed pump cap o.k. □ □
   - No DATA provided previously (9DEC02)
   - Aquifer Pump Test:
     - followed WCPI Stds □ □
     - T & S analysis attached □ □
   - Well Interference:
     - estimated Steady-State drawdown at 1-mile radius is __________ ft.
     - analysis attached □ □
   - Stream Surface Water Impacted: □ □ ← if yes, identify most probable stream

2. **Pump Installation Check** Mitch Ohye (initial)
   - Yes □ □
   - No □ □
   - If no, describe deficiency
   - data complete □ □
   - followed WCPI Stds □ □
   - well database updated □ □

3. Charley/Lenore/Ryan (initial) take action based on above analysis
4. Roy (initial) check
5. Subia (initial) finalize
6. Dean (initial) signature
7. Charley/Lenore/Ryan File
Return Receipt Fax Memo

To: Charley Ice

From: Ann Robertson

Re: WCR I Ho-olawa-Speere Well No. 5514-07 & WCR II Maliko-Moretti #2 Well No. 5620-06

Pages: 12 pages including this cover sheet

- ✔ Well Completion Report Part I for Ho-olawa-Speere Well No. 5514-07
- ✔ Driller's Log for Ho-olawa-Speere Well No. 5514-07
- ✔ Well Head Elevation Survey for Ho-olawa-Speere Well No. 5514-07
- ✔ Constant Rate Pump Test for Ho-olawa-Speere Well No. 5514-07
- ✔ Pump Curve for Ho-olawa-Speere Well No. 5514-07
- ✔ Signed Pump Installation Permit for Maliko-Moretti #2 Well No. 5620-06
- ✔ Well Completion Report Part II for Maliko-Moretti #2 Well No. 5620-06
- ✔ Pump Curve for Maliko-Moretti #2 Well No. 5620-06

Please check off the above items as received and return the fax to 808-[

Thank You................

Sincerely,

Ann Robertson
1. State Well No.: 5620-06  
   Well Name: Meliko-Moretti Well 2  
   Island: Maui

2. Address: 471 Kakapa Pl., Paia  
   Tax Map Key: 2-7-46

3. Pump Installation Company: Wailani Drilling

4. Date Pump Installed: 10/21/02

5. PERMANENT PUMP INFORMATION
   Pump Type, Make, Serial No.: 25 XSO-26 Brs0100-24-P102  
   Rated Capacity: 25 gpm (230.34 m³/24h)
   Motor Type, H.P., Voltage, rpm: 3.5 HP 27-0440  
   5 HP 3450 Rpm 23 amf
   Type of flow meter: Micrometer which measures in gallons

6. Method of flow measurement:
   □ Flowmeter  
   □ Weir*  
   □ Open Pipe*  
   □ Orifice*  
   □ Other*, explain below
   *attach schematic

7. Fill in the as-built section on the other side of this sheet.

8. Other remarks/comments:
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

Pump Installation Contractor (print): Mike Robertson  
C-57/C-57a/A Lic. No. 20115

Signature: ____________________________  
Date: 1/27/03

Permittee (print): Frances M. Moretti

Signature: ____________________________  
Date: 1-27-03
Bench mark elevation surveyed to nearest 0.01 ft. = 169.39 ft. mean sea level.

Identify reference point elevation for water level measurements through chase tube 169.55 ft. mean sea level.

Describe reference point:
Monitor tube steel nipple on well head.

Pump intake depth = 173.5 ft. (referenced to bench mark).

Chase tube depth = 173.5 ft. (referenced to bench mark).

If airline installed, bottom of airline elevation = N/A ft. mean sea level.
Performance Curves 25 GPM Model 25S

FLOW RANGE: 18 - 32 GPM  OUTLET SIZE: 1½ " NPT  NOMINAL DIA. 4"

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 5 - 5 HP/3450 RPM
6" MOTOR STANDARD, 7.5 - 10 HP/3450 RPM.
Performance conforms to ISO 9906 A mix A @ 2 ft. min. submergence.
Mr. Francesco Moretti  
Maliko Trading Company, LLC  
471 Alakapa Place  
Paia, HI 96779  

Dear Mr. Moretti:

Well Completion Report Part II  
Notice of Potential Violation of Water Code  
Maliko-Moretti Wells 1 & 2 (Well No. 5620-05 & 06)

We have received your Well Completion Reports Part II for the Maliko-Moretti Wells 1 & 2 (Well Nos. 5620-05 & 06). However, matters which must be addressed before we accept your report as complete are as follows:

1. The rescinding of your Special Management Area (SMA) Permit must be resolved.

Notice of Potential Violation of Water Code

Your application for the well construction and pump installation permits indicated that no SMA permit was required. We strongly suggest you do not pump the well until this SMA matter is clarified. Misrepresentations in an application for a permit are grounds for revocation and a potential violation of the Water Code under HRS Chapter 174C, Part VII, Section 84(g)(1), subject to fines of up to $1000 per day. Future action by the Commission will depend upon resolution of the SMA permit matters with the County.

If you have any questions, please contact Charley Ice of the Commission staff at [redacted] or toll-free at [redacted] extension 70251.

Sincerely,

[Signature]

DEAN A. NAKANO  
Acting Deputy Director

Cl:ss

c: Wailani Drilling, Inc.  
County of Maui, Department of Planning
January 14, 2003

Mr. Francesco Moretti
Maliko Trading Company, LLC
471 Alakapa Place
Paia, HI 96779

Dear Mr. Moretti:

Pump Installation Permit
Maliko-Moretti #2 (Well No. 5620-06)

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.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of your water use report form is enclosed for your use.

Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete.

If you have any questions, please call Charley Ice of the Commission staff at [redacted] or toll-free at [redacted] extension 70251.

Aloha,

[Signature]

ERIC T. HIRANO
Acting Chairperson

Enclosure

c: Wailani Drilling, Inc.
PUMP INSTALLATION PERMIT
Maliko-Moretti #2, Well No. 5620-0L

Note: This permit shall be prominently displayed at the 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 pump installation for Maliko-Moretti #2 (Well No. 5620-06) near Maliko Gulch at 169 ft. el., Maui, TMK 2-7-4-8, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 25 gpm rated capacity at 516 ft. of head, or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly/yearly basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within thirty (30) days after completion of work.

6. 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.

7. 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 Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

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

10. 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.

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

Date of Approval: January 10, 2003
Expiration Date: January 10, 2005

ERIC T. HIRANO, Acting 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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: __________
Printed Name: ___________________________ Firm or Title: ___________________________

Installer's Signature: ___________________________ C-57, C-57a, or A License #: __________ Date: __________
Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachments
C- USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Maui Department of Water Supply
Wailani Drilling, Inc.
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 Maliko-Moretti #2 (Well No. 5620-06) near Maliko Gulch at 169 H.l.e., Maui, TMK 2-7-4.6, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 25 gpm rated capacity at 515 ft. of head, or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, 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.

7. 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 Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

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

10. 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.

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

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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: [Signature]
Printed Name: FRANCESCO MORETTI Firm or Title: Maliko Trading Co., LLC

Installer's Signature: [Signature]
Printed Name: Mike Robertson C-57, C-57a, or A License #: 20115 Date: 1/27/03

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
<table>
<thead>
<tr>
<th>Well</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Elevation (MSL)</th>
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<tbody>
<tr>
<td>West</td>
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Maliko-Moretti Wells 1 & 2 (5620.05.06)

Hana Highway Monument
Elevation = 207.12 MSL

PLOT PLAN
(Provide Latitude and Longitude of well referenced to NAD27 to nearest second)

BRUCE R. LEE, L.PLS
5983-LS, exp. 4/04
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<th>ELEVATION (MSL)</th>
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**PLOT PLAN**

(Provide Latitude and Longitude of well referenced to NAD83 to nearest second) WGS 84

**Well Elevation**

Benchmark Elevation 169.39

(0.01 ft. above msl)

**Concrete Pad**

Benchmark reference control point

Hana Highway Monument Elevation = 207.12 (MSL)

**Surveyor's stamp and signature**

BRUCE R. LEE, LPLS
5983-LS

HAWAII, U.S.A.
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**PLOT PLAN**

(Provide Latitude and Longitude of well referenced to NAD83 in meter-second) - WGS 84

**Well Elevation**

Benchmark Elevation 169.39' (0.01 ft. above MSL)

Concrete Pad

**Benchmark Reference Control Point**

Hana Highway Monument

Elevation = 207.12 (MSL)

**Surveyor's Stamp and Signature**

BRUCE R. LEE, LPLS

5983-LS

LICENSED PROFESSIONAL LAND SURVEYOR
HAWAII, U.S.A.
MEMO and ROUTE SLIP

WCR 1 Check for Well No. 5620-06 (survey to regulation memo)

1. **Pump Tests Check** Glenn Bauer (initial)
   
   **Step-Drawdown Test:**
   
   followed WCPI Stds
   analysis attached
   proposed pump cap o.k.
   
   Yes ✗ No
   
   If no, describe deficiency
   
   Data does not lend itself to analysis.
   
   <70 gpm
   
   Aquifer Pump Test:
   
   followed WCPI Stds T & S analysis attached
   
   Yes ✗ No
   
   Well Interference:
   
   estimated Steady-State
drawdown at 1-mile radius is ________ ft.
   
   analysis attached
   
   Yes ✗ No
   
   Stream Surface Water Impacted:
   
   Yes ✗ No
   
   If yes, identify most probable stream

2. **Construction Check** Mitch Ohye (initial)
   
   Data complete
   followed WCPI Stds well database updated
   
   Yes ✗ No
   
   If no, describe deficiency

3. Charley/Lenore/Ryan (initial) take action based on above analysis

   ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
   
   1 COVER LETTER
   2 PERMIT (2x)
   3 BOIL COMMENTS
   4 LAND DIV. COMMENTS
   5 WCR 2 FORM
   6 WUR FORM
   7 USGS MAP
   8 PARCEL CHECK
   9 DATABASE PRINTOUT
   10 GLENN'S WORKSHEET
   11 WELL CHECK PRINT

   not necessary – only WCP.
   
   To be sent to applicant

4. Roy (initial) check

5. Subia (initial) finalize

6. Linnei (initial) signature

7. Charley/Lenore/Ryan File
State of Haw ·
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, P.O. Box 621, Honolulu, Hawaii 96809. 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 587-6226. For updates to this form or additional information, please visit our website at http://www.state.hi.us/dlnr/cwrm/

1. State Well No.: 5620-06  Well Name: Maliko-Moretti Well 2 Island: Maui
2. Address: 471 Alakapa Pl, Paia 96779 Tax Map Key: 2-7-4:6
4. Drilling method used during construction: ☑ Rotary  □ Percussion  □ Other (describe)
5. Date Well Construction (drilled, cased, grouted) completed: 10/15/02 Fill out attached Driller's Log

6. Was the subject well cored?  ☑ Yes  □ No
7. Initial water-level encountered 180 ft. below ground Date and time of measurement: 9/27/02 month/day/year
8. Step-Drawdown Test completed?  ☑ Yes  □ No Attach Step-Drawdown Test form (1217/17 SDPTD Form)
9. Constant Rate Aquifer Test completed?  ☑ Yes  □ No Attach Constant Rate Aquifer Test form (1217/17 CRPTD Form)

Parameters prior to pump test:
10. Water-level: 3.55 ft. above msl Date and time of measurement: 10/21/02 month/day/year
11. Chloride: 2.60 ppm Date and time of sampling: 10/21/02 month/day/year
12. Temperature: 67.5 °F Date and time of measurement: 10/21/02 month/day/year

13. Fill in the as-built section on the other side of this sheet.
14. Fill in attached surveyor's report.
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. The proposed manufacturer's rated pump capacity is 25 gpm at a head of 516 ft.
17. Remarks: ____________________________________________________________

Licensed Driller (print) Mike Robertson  C-57 Lic. No. 20115
Signature Mike Robertson Date 10/21/02

Permittee (print) Francesco Moretti
Signature Francesco Moretti Date 10/21/02
**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 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one):
  - □ ASTM A409 (production wells)
  - □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 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 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one) □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 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
# DRILLER'S LOG

**WELL NUMBER:** 5620-06  
(Well #2)

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<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
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<td>180 to 190</td>
<td>Soft Blue Rock</td>
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**Remarks:**

WCR1 Form 9/12/01 Page 2 of 4
Return Receipt Fax Memo

For: Charley Ice
From: Ann Robertson

Signed Pump Installation Permit for Hoalua-Grace Well (No.5413-11)

Well Completion Report Part II for Hoalua-Grace Well (No.5413-11)

Pump Curve for Hoalua-Grace Well (No.5413-11)

Signed Pump Installation Permit for Ho’olawa-Cookman (No.5514-04)

Well Completion Report Part II for Ho’olawa-Cookman (No.5514-04)

Pump Curve for Ho’olawa-Cookman (No.5514-04)

Well Completion Report Part I for Ho’olawa-Kahui Pono (No.5514-06)

Driller’s Log for Ho’olawa-Kahui Pono (No.5514-06)

Well Head Elevation Survey for Ho’olawa-Kahui Pono (No.5514-06)

Constant-Rate Pump Test for Ho’olawa-Kahui Pono (No.5514-06)

Pump Curve for Ho’olawa-Kahui Pono (No.5514-06)

Well Completion Report Part I for Maliko-Moretti Well 1 (No.5620-05)

Driller’s Log for Maliko-Moretti Well 1 (No.5620-05)

Well Head Elevation Survey for Maliko-Moretti Well 1 (No.5620-05)

Constant-Rate Pump Test for Maliko-Moretti Well 1 (No.5620-05)

Step-Drawdown Pump Test for Maliko-Moretti Well 1 (No.5620-05)

Pump Curve for Maliko-Moretti Well 1 (No.5620-05)

Well Completion Report Part I for Maliko-Moretti Well 2 (No.5620-06)

Driller’s Log for Maliko-Moretti Well 2 (No.5620-06)

Well Head Elevation Survey for Maliko-Moretti Well 2 (No.5620-06)

Constant-Rate Pump Test for Maliko-Moretti Well 2 (No.5620-06)

Pump Curve for Maliko-Moretti Well 2 (No.5620-06)

Revised Well Completion Report Part I for Nahiku-Mau Well (No.4803-01)

Constant-Rate Pump Test for Nahiku-Mau Well (No.4803-01)

Pump Curve for Nahiku-Mau Well (No.4803-01)

Please confirm receipt by checking off the enclosed items and faxing a copy of this memo to me at 808-572-0925.

Thank you,

Ann Robertson
**CONSTANT-RATE PUMP TEST DATA**

**Pumped Well No.** 5620.6
**Pumped Well Name** Maliko-Mestri #2
**Target Q** 30 gpm

**Observation well no.** N/A
**Distance between Obs. & Pumped Well** N/A ft.
**Reference pt. for depth to water** 169.55 ft. msl
**Static Water Level @ start of test** 3.55 ft. msl

Water level measurements by: X steel tape □ pressure transducer □ airline

**START TEST** Date: 10/21/02 Time of day: 6:45 a.m

**Flow Meter Reading Start:** 55 gals

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<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (mhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F or °C</th>
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Data in this table is for: X Pumped Well □ Observation Well

Remarks

Start Test

Start pump/Cl⁻ taken
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<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Dry well (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (umhos)</th>
<th>Cl⁻ (mg/l)</th>
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1 Chloride sampling required
2 Use same ending drawdown figure as start for recovery
Table 2 (CRPTD Form 12/17/97)

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<th>Pumping rate (gpm)</th>
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Data in this table is for: Pumped Well
Observation Well
Remarks

END TEST Date: 10/21/02 Time of day: 4:15 pm

ADDITIONAL REMARKS:

Person in charge of pump test (print): Mike Robertson

Signature: Mike Robertson

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 pump test.
Performance Curves 25 GPM Model 25S

FLOW RANGE: 18 - 32 GPM  
OUTLET SIZE: 1½ " NPT  
NOMINAL DIA. 4"

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 5 - 5 HP/3450 RPM.
6" MOTOR STANDARD, 7.5 - 10 HP/3450 RPM.

Performance conforms to ISO 9906 Annex A
@ 2 ft. min. submergence.
April 17, 2002

Mr. Francesco Moretti
Maliko Bay Trading Company
471 Alakapa Place
Paia, HI 96779

Dear Mr. Moretti:

Well Construction Permit
Maliko-Moretti #2 (Well No. 5620-06)

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 your 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 is a copy 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. The well casing shall meet the minimum thickness required in the Hawaii Well Construction and Pump Installation Standards (HWCPIS, January 1997).

This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (1/23/97) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:

"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."
If you qualify and wish to take advantage of this ruling, please include a written request to install the permanent pump prior to final pump installation permit issuance when you return to us your signed well construction permit.

Please sign and have the contractor sign both permit originals and return one for our files. Also, copies of the aquifer pump test worksheet and the well completion report form are enclosed for your use.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. Please provide all the information in this packet to your well drilling contractor. The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Charley Ice of the Commission staff at [redacted] or toll-free at [redacted] extension, 70251.

Aloha,

GILBERT S. COLOMA-AGARAN
Chairperson

Enclosures

c: Wailani Drilling Company
WELL CONSTRUCTION PERMIT
Maliko-Moretti #2, Well No. 5620-06

Note: This permit shall be prominently displayed at the 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 Maliko-Moretti #2 (Well No. 5620-06) at Pauwela at Maliko Gulch, Maui, TMK 2-7-4-6, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1-1/4-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson 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 Chairperson.

3. 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.

4. The permittee, well operator, and/or well owner shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of heavy rainfall, and to revegetate any cleared areas as soon as possible.

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

6. 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.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referred 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 data.

8. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997; HWCP-IS). If the HWCP-IS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission if work is not started within (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 Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

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

12. 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.

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

Date of Approval: April 1, 2002
Expiration Date: April 1, 2004

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 driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ________________________________ Date: __________
Printed Name: ______________________________________ Firm or Title: ________________________________

Driller's Signature: ________________________________ C-57 License #: ______________ Date: __________
Printed Name: ______________________________________ Firm or Title: ________________________________

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

Attachment
C: USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Maui Department of Water Supply
Wailani Drilling Company
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE

FROM: CHARLEY
DATE: 15 Apr 02
SUSPENSE DATE: ____________

TO: BAUER, G.
INIT. LUM, A.
FOR: Approval
PLEASE: See Me

TO: CHING, F.
INIT. NAKAMA, L.
FOR: Signature
PLEASE: Review & Comment

TO: FUJI, N.
INIT. NAKANO, D.
FOR: Information
PLEASE: Take Action

TO: HARDY, R.
INIT. NISHIOKA, L.
FOR: Type Draft
PLEASE: Type Final

TO: HIGA, D.
INIT. OHYE, M.
FOR: File
PLEASE: Xerox _______ copies

TO: HIRANO, E.
INIT. SAIKODA, E.
FOR: Information
PLEASE: Type Final

TO: ICE, C.
INIT. SUBIA, S.
FOR: Information
PLEASE: Xerox _______ copies

TO: IMATA, R.
INIT. SWANSON, S.
FOR: Information
PLEASE: Type Final

TO: JINNAI, R.
INIT. UYENO, D.
FOR: Information
PLEASE: Xerox _______ copies

TO: KUNIMURA, I.
INIT. YODA, K.
FOR: Information
PLEASE: Xerox _______ copies

WELL NUMBER 5620-05-06 WELL NAME  Maliko  Moretti 142

WELL CONSTRUCTION x 1  2
(05)  (06)

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER _______ TO BE SENT TO APPLICANT _______
2 PERMIT (2x) _______ 
3 PUMP TEST _______
4 DOH COMMENTS _______
5 LAND DIV. COMMENTS _______
6 WCR FORM _______
FOR OFFICE USE ONLY _______

PUMP INSTALLATION _______

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER _______
2 PERMIT (2x) _______
3 DOH COMMENTS _______
4 LAND DIV. COMMENTS _______
5 WCR FORM _______
6 WUR FORM _______
FOR OFFICE USE ONLY _______

DATABASE PRINTOUT
WELL CONSTRUCTION

DATABASE PRINTOUT
PUMP INSTALLATION

100% WORKSHEET
MEMORANDUM

TO: Linnel T. Nishioka, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Chapter 6E-42 Historic Preservation Review Pertaining to the Well Construction/Pump Installation Permit Application for the Proposed Maliko – Moretti Well (Well No. 5620-06)
Maliko Ahupua’a, Makawao District, Island of Maui
TMK: (2) 2-7-004:006

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Application for the Proposed Maliko – Moretti Well Site, which was received by this office on March 19, 2002. Our review is based on reports, maps, and aerial photographs maintained at the State Historic Preservation Division; no field inspection was conducted of the subject parcel.

We have recently received a post field summary in the form of a letter report (from Lisa Rotunno-Hazuka, Archaeological Services Hawaii to Mr. Francesco Moretti, landowner dated March 31, 2002) indicating that an archaeological inventory survey has been conducted of the subject property. No significant historic properties were identified during the inventory survey. However, the archaeological report documenting the findings has not been submitted to this office for review. Therefore we are unable to provide comments pertaining to the proposed undertaking at this time.

Given the above information, we recommend that no ground-altering occur on the subject property until an acceptable archaeological report documenting the negative findings has been reviewed and accepted, in writing, by this office.

Please call Cathleen Dagher at [contact information] if you have any questions.

CD:jen
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 821
HONOLULU, HAWAII 96809

March 18, 2002

TO: Honorable Bruce S. Anderson, Director
    Department of Health
    Attention: Dennis Tulang, Wastewater Branch
    William Wong, Safe Drinking Water Branch
    Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
    Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
    Maliko-Moretti (Well No. 5620-06)

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 April 1, 2002. 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

Cl:ss
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 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 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.

[ ] No comments/objections

Contact Person: Lori N. Kajiwara  Phone: (808) 429-4017

Signed: Lori N. Kajiwara  Date: 3/28/2002
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Maiko-Morelli (Well No. 5620-06)

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 April 1, 2002. 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 Ico of the Commission staff at 887-0251.

Class  
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 five 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, §11-20-26.

[ ] 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 possible and non-potable systems by an air gap or an approved backflow prevention, and by clearly marking all non-potable systems 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 [ ] 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.

[ ] No comments/objections

Contact Person: Bill Wong  
Phone:

Signed: Bill Wong  
Date: 4/1/02
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Maliko-Moretti Well (Well No. 6-5620-06 Maui):

1. Please be advised that the Department of Health has experienced drinking water and groundwater contamination by submersible pumps containing mercury. Specifically, the failure of the seals of the pumps allowed mercury to leak out into the well shaft resulting in contamination of the well and the water served by the well. Please review your pump specifications to be sure that the submersible pump(s) you are proposing to use do not contain materials which could result in either groundwater contamination or drinking water contamination.

2. Please also be advised that wells located further upstream have been found to be contaminated with Dibromochloropropane and Trichloropropane. It is recommended that the Maliko-Moretti Well be tested for these and all other regulated drinking water contaminants prior to use.
Facsimile Request and Cover Sheet
Wastewater Branch
919 Ala Moana Blvd. Room 309
Honolulu, Hawaii 96814-4920
(608) 586-4300
Fax (808) 586-4300

Date: [ ]

To: Roland Tefano, Maui District Health Office
Fax (808) 984-8222

From: Lori Kajiwara, Planning/Design Section
Email: l kajiwara@oha.health.state.hi.us

Subject: Request for Information

Do you have any IWS files or records on or nearby for the following:

(2) 2-7-4-6 Maui, Māliiko #2

Please check all that apply:

[ ] sewered [ ] no record [ ] cesspool [x] septic tank [ ] aerobic unit

File # if applicable: 4144

# of Bedrooms: 4

Record Date: 10-7-98

Submit Date: 10-5-98

Plan Approval Date: 10-5-98

Inspection Date: NO FINAL INSPECT

System "Approval for Use" Date: __________________________

Other:________________________________________________

_____________________________________________________

Please fax site/plot plan if available. Thank you.
March 18, 2002

TO: Harry Yada, Acting Administrator
    Land Division

FROM: Linnel T. Nishioka, Deputy Director
    Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
    Maliko-Moretti (Well No. 5620-06)

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 April 1, 2002. 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].

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. ________________________________.

☒ This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

☐ Other relevant Land Division rules/regulations, information, or recommendations are attached.

☐ No objections

☒ Other comments: Original source of private title is Grant 166 issue before Statehood in 1959.

Contact Person: Gary Martin Phone: _______________________

Signed: ________________________ Date: MAR 2 5 2002
March 18, 2002

TO: Harry Yada, Acting Administrator
    Land Division

FROM: Linnel T. Nishioka, Deputy Director
       Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Maliko-Moretti (Well No. 5620-05)

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 April 1, 2002. 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 XXXXXX.

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[XX] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no.

[XX] This well project [ ] requires [X] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[XX] Other comments: Original source of private title is Grant N. 166 issued prior to Statehood in 1959.

Contact Person: Gary Martin
Phone: 587-0421

Signed: Harry Yada
Date: MAR 22 2002
March 18, 2002

Mr. Francesco Moretti  
Maliko Bay Trading Company  
471 Ala Kapa Place  
Paia, HI 96779

Dear Mr. Moretti:

Well Construction/Pump Installation Permit Application for Well Nos. 5620-05 & 06

We acknowledge receipt, on February 26, 2002, of your completed Well Construction/Pump Installation permit applications and filing fee for the Maliko-Moretti Wells #1 & 2 (Well Nos. 5620-05 & 06). You can expect your applications to be processed within ninety (90) days from this date.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.

Once construction of the two wells is permitted, the wells will be processed thereafter separately.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at [redacted] or toll-free at [redacted] extension 70251.

Sincerely,

LINNEL T. NISHIOKA  
Deputy Director

C: Wallani Drilling, Inc.
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Maliko-Moretti (Well No. 5620-06)

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 April 1, 2002. 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 Iwe of the Commission staff.

Cl: ss
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 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 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 [ ] 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

[ ] No comments/objections

Contact Person: ______________________ Phone: ____________

Signed: _______________________________ Date: ____________
March 18, 2002

TO: Harry Yada, Acting Administrator
Land Division

FROM: Linnel T. Nishioka, Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Maliko-Moretti (Well No. 5620-06)

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 April 1, 2002. 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

Class
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.

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ______________

Signed: ____________________________ Date: ______________
TO: Don Hibbard, Administrator  
Historic Preservation  
FROM: Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management  
SUBJECT: Well Construction/Pump Installation Permit Application  
Maliko-Moretti (Well No. 5620-06)  

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 April 1, 2002. 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 __________

CLASS:  
Attachment(s)  

RESPONSE:
[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.
[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.
[ ] No objections
[ ] Other comments:

Contact Person: ____________________________ Phone: ____________

Signed: ____________________________ Date: ____________
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TOTAL 100.00

REMARKS:
- **LINE (1)** Well No. 5620-05 & 06 (WCPA/PIPA)
- **LINE (2)** Well No. 5620-06 (WCPA/PIPA)
- **LINE (3)** Well No. 4702-01 (WCPA/PIPA)
- **LINE (4)** Well No. 4326-10 (WCPA/PIPA)
WAILANI DRILLING INC.
Ph: (808) 572-2673
655 KULIKE ROAD
HAKI, MAUI, HI 96708

Pay to the order of:

Water Resource Commission

Twenty-Five and 00/100

Date 2/13/2002
$25.00

WAILANI DRILLING INC.
Ph: (808) 572-2673
655 KULIKE ROAD
HAKI, MAUI, HI 96708

Pay to the order of:

Water Resource Commission

Twenty-Five and 00/100

Date 2/15/2002
$25.00

WAILANI DRILLING INC.
Ph: (808) 572-2673
655 KULIKE ROAD
HAKI, MAUI, HI 96708

Pay to the order of:

Water Resource Commission

Twenty-Five and 00/100

Date 4/13/02
$25.00

Randy Smith Permit
**MISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR NEW APPLICATIONS**

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**WELL NUMBER** 5020-06  **WELL NAME** Moretti Maliko 2

[ ] WELL CONSTRUCTION [ ] PUMP INSTALLATION [X] BOTH

**ATTACHMENTS FOR APPLICATION PROCESSING** - Both applicant & staff generated

1. TRANS. LETTER
2. CWRM MAP
3. APPL. FORM (3X)
4. USGS MAPS (3X)
5. TAX MAPS (3X)
6. PARCEL OWNER VERIF.
7. CONTRACTOR VERIF.
8. ALL INFO FILLED IN
9. BACKGROUND CHECK

**FOLDER:**
[ ] MADE NEW FILE FOLDER, ATTACHED
[ ] FILE FOLDER ALREADY MADE, IN FILE CABINET

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Return Receipt Fax Memo

For: Charlie Ice

Charlie. Enclosed are the following items:

- Application for Well Permit/Kamaole Sands
- Application for Well Permit/Harlow
- Application for Well Permit/Moretti Well #2
- Well Permit Luana Kai/4527-15
- Well Permit Makena Surf/3926-11

Please confirm receipt by checking off the enclosed items and faxing a copy of this memo to me at

From: Bill Steele
APPLICANT INFORMATION:
1. APPLICANT NAME: MALICO E BAY TRAINING
   Mailing Address: 471 ALAKAPA Pl PAIA HAWAII 96779
   Fax: 808-871-2870
   Phone: 808-871-2870
   Email: FRANCESCO @ MALICO.BAY.COM

2. LESSOR INFORMATION:
   LEGAL NAME: FRANCESCO MORETTI
   Mailing Address: 471 ALAKAPA Pl PAIA HAWAII 96779
   Fax: 808-871-2870
   Phone: SAME
   Email: FRANCESCO @ MALICO.BAY.COM

3. CONTRACTOR:
   Name of Contractor: Mike Robertson
   Mailing Address: C35 KULIHE RD. HAIKU
   Fax: 808-585-2870
   Phone: 808-585-2870
   Email: Mike Robertson

WELL & PUMP INFORMATION:
1. WELL NAME: MORETTI MALICO # 2
   Island: MAUI
   Address: HANA HANA HWY
   Tax Map Key: 2-7-009-004
   Zone: 6
   Site: 1
   Flat: 2
   Parcel: 3
   Attch the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1:24,000) and include the name of the quad map, and (b) a property tax map, showing well location referenced to established property boundaries.

2. PROPOSED WORK:
   (check all that apply)
   (b) Install New Pump
   (c) Modify Existing Well
   (d) Abandon/Seal
   State Well No.: (If unknown, please call Commission at 587-0225)

3. CONSTRUCTION:
   (check all that apply)
   (a) Dug
   (b) Shaft
   (c) Tunnel
   Is this well part of a battery of wells? Yes No (Please describe)

4. PROPOSED PUMP INFORMATION:
   Pump Type (Check one):
   (a) Deep Well Turbine
   (b) Submersible 10 HP
   (c) Centrifugal
   (d) Impulse
   Rated Pump Capacity: # 135 # gallons per minute

5. PROPOSED USE:
   (check all that apply)
   (a) Municipal (including hotels, stores, etc.)
   (b) Industrial
   (c) Domestic (individual, noncommercial water system)
   Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections? Yes No
   (d) Irrigation crop
   (e) Military
   (f) Other (explain)

6. PROPOSED AMOUNT OF WITHDRAWAL:
   14,000 gallons per day

7. METHODOLOGY OF FLOW MEASUREMENT:
   (check all that apply)

8. LEGAL REQUIREMENTS:
   (check all that apply)
   (a) CDUP
   (b) SMAP
   (c) EIS
   (d) EA
   (e) None
   (f) Other (explain)

9. REMARKS, EXPLANATIONS:
   - THIS IS GDP & WELL AND GDP WELL WILL BE REDUCED Cácure
   TO BE PUMPED TO A HIGHER ELEVATION ON 1/15/2007.
   (If more space is needed, please attach additional sheet)

For Official Use Only:
Page 1 of 2

For Signature: 12/12/2002

APPLICATION FOR PERMIT

APPLICANT INFORMATION: (Fill out all three, if applicable, and place a check next to the primary contact)

1. (a) WELL OWNER: MALIKO BAY TRAINING Contact Person: FRANCESCO MORETTI Phone: 808-871-2870
   Mailing Address: 471 ALAKAPA PI PAIA HAWAI'I 96779
   Fax: 808-871-2870 E-mail: FRANCESCO W MALIKO BAY.COM

(b) LANDOWNER: FRANCESCO MORETTI Contact Person: SAME Phone: SAME
   Mailing Address: 471 ALAKAPA PI PAIA HAWAI'I 96779
   Fax: 808-871-2870 E-mail: FRANCESCO W MALIKO BAY.COM

(c) CONTRACTOR: Wailea Drilling Inc Contact Person: MIKE ROBERTS Phone: 808-573-2673
   Mailing Address: 657 KULIKA RD, HA'AIKU
   Fax: E-mail: SAME Lic #:

   (circle one: C-27, C-87a, or A)

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: MORETTI MALIKO # 2 Island: MAUI
   Address: Kailea House Hana Tax Map Key: 2 7 001 00
   Attach the relevant portion of (a) a 7.5 minute Series USGS topographic map (scale 1:24,000) and include the name of the quad map, and (b) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK:
   (check all that apply)
   - Construct New Well
   - Modify Existing Well
   - Install New Pump
   - Modify Pump
   - Abandon/Seal
   - State Well No: __________________________ (If unknown, please call Commission at 808-629-2222)

4. CONSTRUCTION:
   - Drilled
   - Dug
   - Shaft
   - Tunnel
   Is this well part of a battery of wells? Yes No (Please describe)

5. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: ___________ gallons per minute
   Pump Type (Check one):
   - Deep Well Turbine
   - Submersible
   - Centrifugal
   - Rotary
   - Rotary-Displacement
   - Impulse
   - Propeller

6. PROPOSED USE:
   (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Domestic (individual, noncommercial water system)
   - Irrigation (crop)
   - Military
   - Other (explain):

   (a) PROPOSED AMOUNT OF WITHDRAWAL: ___________ gallons per day

(b) METHOD OF FLOW MEASUREMENT:
   - Flowmeter
   - Open-pipe
   - Wed
   - Caliper
   - Other:

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS:
   - CDUP
   - SMAP
   - EIS
   - EA
   - None
   - Other (explain)

9. REMARKS, EXPLANATIONS:
   - THIS IS FROM WELI BAY TRAINING WILL BE REDUCED, WATER TO BE PUMPED TO TANK A HIGHER ELEVATION ON 14 MORE LT.
   (If more space is needed, please attach additional sheet)

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within (2) years of the approval date, 2) the contractor and owner is to the Commission a well completion/abandonment report within 90 days after the completion date of the permitted work, 3) monthly water use data shall be submitted to the Commission, 4) such report shall not constitute a determination of cumulative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner
Signature
Date 2/12/02

LANDOWNER
Signature
Date

CONTRACTOR
Signature
Date 2/12/02

For Official Use Only...
To: Mr. Charlie Ice
From: Francesco Moretti

Date: March 12, 2002

Fax: 808-5870219

Re: Well Permit

Comments: Mr. Ice, I am submitting to your attention the recorded deed of ownership for the 44 acres parcel located in Maui at TMK (2) 2-7-004-006, where Wailani Drilling has requested in my behalf two permits to be issued for drilling water wells.

Thank you for your attention to this matter.

Sincerely,

Francesco Moretti
DEED

THIS DEED, made this 4th day of December, 2001, by ALEXANDER & BALDWIN, INC., a Hawaii corporation, whose mailing address is 822 Bishop Street, Honolulu, Hawaii 96813, hereinafter called "Grantor", and FRANCESCO MORETTI-MORETTI, an unmarried, single man, whose mailing address is 471 Alakapa Place, Paia, Maui, Hawaii 96779, hereinafter called the "Grantee".

WITNESSETH

That in consideration of the sum of TEN DOLLARS ($10.00) and other valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, the Grantor does hereby grant, bargain, sell