CHECKLIST

Type of Permit: ☑ Well Construction ☑ Pump Installation ☐ Water Use Required

Well Name: Honolulu Quary Well No. 4060-01 Island: Hawaii

Applicant: Robert S. McClean Landowner: same

Consultant: Kewit-Pacific Co. TMK 7-4-8:26

Appl Recd: 10 Mar 95 (Dates)

Mapped/#: 22 Mar 95 Logcomp: Logbk:

Acknowlgmt: 

Fee Depos: 

Copies Sent for Review

Sent

Comments Recd

DoH/ Drink Water
Wastewater

Hist. Preserv

Aquat Res

OHA

DHHL

Honolulu BWS

Maui DoW

Kauai DoW

Hawaii DoW

PW

SCLDF

Com: 

Bulletin 

to Agenda 

Submittal 

to Appl 

CWRM ___Appr ___Deny 

Permit/Notice to Appl 

COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE 4/17/07

FROM: RYAN
DATE: 4/27/07
SUSPENSE DATE: 

TO: CHING, F.
INIT: 
TO: CHONG, R.
INIT: 
TO: DANBARA, S.
INIT: 
TO: ENGLAND, D.
INIT: 
TO: FUJII, N.
INIT: 
TO: HARDY, R.
INIT: 
TO: HOAGBIN, S.
INIT: 
TO: ICE, C.
INIT: 
TO: IMATA, R.
INIT: 
TO: KIMURA, J.
INIT: 

FROM:
INIT: 
TO: KUNIMURA, I.
INIT: 
TO: NAKAMA, L.
INIT: 
TO: OHYE, M.
INIT: 
TO: SAKODA, E.
INIT: 
TO: SWANSON, S.
INIT: 
TO: UYENO, D.
INIT: 
TO: YODA, K.
INIT: 
TO: YOSHINAGA, M.
INIT: 

FOR: Approval
INIT: 
FOR: Signature
INIT: 
FOR: Information
INIT: 

PLEASE:

See Me
1 Review & Comment
Take Action
2 Type Draft
Type Final
3 Xerox ____ copies

WELL NUMBER 4060-01
WELL NAME Honokohau Quarry 1

application type PUMP

1 WCP COVER LETTER __ pump only, not necessary
2 WCP __ pump only, not necessary
3 WELL CHECK PRINTOUT __ pump only, not necessary

4 PIP COVER LETTER 
5 PIP

COMMENTS:
6 SDWB 
7 WWB 
8 CWB 
9 LD 
10 HP 
11 LUC 
12 OCCL 
13 SMA 

NOTES:

DRILLER Rodney Couch
TMK 7-4-024:007
PUMP CAPACITY 100
WELL OWNER Robert McClean
LAND OWNER Robert McClean
COMMENT DEADLINE 1/0/00

In issuing this PIP app w/o routing:
only PIP replacement of > capacity than existing pump:
only for dust control - still require them to run pump test.
May 3, 2007

Ref: 4060-01.pip

Mr. Rodney Couch
Couch Well Drilling
P.O. Box 1329
Kealakekua, HI 96750

Dear Mr. Couch:

Pump Installation Permit
Honokohau Quarry 1 Well (Well No. 4060-01)

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. The permittee shall conduct aquifer pump tests in accordance with the Hawaii Well Construction and Pump Installation Standards (revised February 2004) on the latest aquifer pump test data forms, which are available by contacting staff or on the web at www.hawaii.gov/dlnr/cwrm/forms.htm.

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.

Finally, this is notice that we have accepted your application as complete on April 27, 2007. If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

Peter T. Young
Chairperson

Enclosure

c: Honokohau Properties
USGS
Hawaii DWS
PUMP INSTALLATION PERMIT
Honokohau Quarry 1 Well, Well No. 4060-01

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 Honokohau Quarry 1 Well (Well No. 4060-01) at TMK 7-4-024:007, Hawaii, 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), 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. 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 100 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: April 27, 2007
Expiration Date: April 27, 2009

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 #: C-23094 Date:

Couch Well Drilling

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

Attachments
Assessed Values reflect tax year 2006.

Search criteria: TMK Taxkey 3-7-4-24-7

<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo</th>
<th>Tnr Address</th>
<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
<th>Liv area</th>
<th>Last Sale</th>
<th>Instr</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-7-4-24-7</td>
<td>Honokohau 2nd F</td>
<td>74-591</td>
<td>MC CLEAN</td>
<td>3.45 ac</td>
<td>0</td>
<td>HONOKOHAU HONOKOHAU</td>
<td>PROP</td>
<td>This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.</td>
<td></td>
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## 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-23094</td>
</tr>
<tr>
<td>Active/Inactive: ACTIVE</td>
</tr>
<tr>
<td>NAME: RODNEY J COUCH</td>
</tr>
<tr>
<td>TRADE NAME:</td>
</tr>
<tr>
<td>STATUS: CURRENT, VALID &amp; IN GOOD STANDING</td>
</tr>
<tr>
<td>ENTITY: INDIVIDUAL</td>
</tr>
<tr>
<td>BUSINESS CODE:</td>
</tr>
<tr>
<td>ORIG LIC DATE: 04/20/2001</td>
</tr>
<tr>
<td>EXPIRE DATE: 09/30/2008</td>
</tr>
<tr>
<td>CLASS PREFIX: C</td>
</tr>
<tr>
<td>SPECIAL PRIVILEGE:</td>
</tr>
<tr>
<td>RESTRICTION:</td>
</tr>
<tr>
<td>EDUCATION CODE:</td>
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<tr>
<td>BUSINESS ADDR:</td>
</tr>
<tr>
<td>MAILING ADDR:</td>
</tr>
</tbody>
</table>

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 April 27, 2007; 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 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 the correct party, preservation of the privacy and security of users and makes no warranties, including warranty of merchantability and fitness for 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.

**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**ROUTE SLIP FOR NEW APPLICATIONS**

<table>
<thead>
<tr>
<th>FROM:</th>
<th>DATE: 5-Dec-06</th>
<th>SUSPENSE DATE: 12-Dec-06</th>
</tr>
</thead>
<tbody>
<tr>
<td>RYAN</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TO:**  
CHING, F.  
FUJI, N.  
GOODING, K.  
HARDY, R.  
HIGA, D.  
HOAGBIN, S.  
ICE, C.  
IMATA, R.  
KUNIMURA, I.  

**TO:**  
1 NAKAMA, L.  
2 NAKANO, D.  
3 OHYE, M.  
4 SAKODA, E.  
5 SWANSON, S.  
6 UYENO, D.  
7 YODA, K.  
8 YOSHINAGA, M.  

**WELL NUMBER:** L160-01  
**WELL NAME:** Honokohau Quarry 1 (2?)

- **WELL CONSTRUCTION**
- **PUMP INSTALLATION**
- **BOTH**

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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TRANS. LETTER</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PERMIT PROCESS TABLE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CWRM MAP</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>APPL. FORM (11 COPIES)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USGS MAPS (11 COPIES)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>TAX MAPS (11 COPIES)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>PARCEL OWNER VERIF.</td>
<td>MLS PRINTOUT</td>
</tr>
<tr>
<td>8</td>
<td>CONTRACTOR VERIF.</td>
<td>DCCA LICENSE SCREEN PRINTOUT</td>
</tr>
<tr>
<td>9</td>
<td>ALL INFO FILLED IN</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>BACKGROUND CHECK</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>$25 FEE DEPOSIT SLIP</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>DHP/CUDP/SMA pre-screen</td>
<td></td>
</tr>
</tbody>
</table>

**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>
<th>4-Dec-01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>need to check if illegal well(#2?) or original 1966-01: Different TMKs but call's for pump replacement.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Also, need to check on spelling of owner - Honokahau?</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Subdivided
<table>
<thead>
<tr>
<th>SRC/ F YR</th>
<th>APP</th>
<th>D</th>
<th>OBJ</th>
<th>CTR</th>
<th>PROJECT</th>
<th>PH ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 07 326 C 1026 0752</td>
<td>(1)</td>
<td>$25.00</td>
<td>Kilauea LLC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>(2)</td>
<td>25.00</td>
<td>C &amp; R Ground Water Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
<td>(7)</td>
<td>(8)</td>
<td>(9)</td>
<td>(10)</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$ 50.00</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

REMARKS:  
LINE (1) Kilauea Well One  
LINE (2) Honokohau Quarry # 1  
LINE (3)  
LINE (4)  
LINE (5)  
LINE (6)  
LINE (7)  
LINE (8)  
LINE (9)  
LINE (10)
**WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>1. State well No. (if already assigned)</th>
<th>2. Well Name</th>
<th>3. Island</th>
<th>4. Yr/M</th>
<th>5. TZK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honokohau Quarry #1</td>
<td>Hawaii</td>
<td>4060-001</td>
<td>7</td>
<td>4</td>
</tr>
</tbody>
</table>

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series U.S.G.S. topographic map (scale 1:24,000) with well location labeled and includes 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 site, access road and proposed well infrastructure

**WELL OPERATOR'S NAME/COMPANY**

Honokohau Properties

**Well Operator's Contact**

Robert McLean

**LANDOWNER'S NAME/COMPANY**

Honokohau Properties

**Landowner's Contact**

Robert McLean

**WELL LOCATION INFORMATION**

- **PROPOSED WELL CONSTRUCTION**
  - 7. Proposed Work
    - Modify Existing Wall
    - Abandon/Seal Wall
  - 8. Construction Type
    - Drilled
    - Dug
    - Shallow
  - 10. Proposed Work
    - Install New Pump

- **PROPOSED PUMP INSTALLATION**
  - 11. Proposed Pumping Rate, gpm (gallons per minute)
    - 100
  - 12. Proposed Amount of Withdrawal, gpd (gallons per day)
    - 144.000
  - 13. Method of flow measurement
    - Flowmeter
  - 14. Type
    - Open Pipe
    - Well
    - Orifice
    - Other (explain)

**PROPOSED USE**

- □ 15. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- □ 16. Domestic
- □ 17. Industrial (describe)
- □ 18. Irrigation (describe crop and no. of acres)
- □ 19. Military
- □ 20. Other (describe)

**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)
  - Required
  - Not Required
  - Not Required (attach documentation from CDCL)
  - I have not checked with CDCL about whether or not a CDUP is required. I understand that checking with CDCL 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)
  - Required
  - Not Required
  - Not Required (attach documentation from applicable County agency)
  - I have not checked with the county about whether or not an SMAP 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
  - Required
  - Required (attach documentation from HPD)
  - I have not consulted with the HPD regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPD.
  - 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 requirements, explanations, etc.**

**NOTE:** Signing below indicates that the signatories understand and agree that the information provided is accurate and true to the best of their knowledge. Furthermore, the signatories understand that upon permit approval: 1) the proposed work is to be completed within two (2) years of the approved date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 90 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 into compliance, and any work done while the permit is suspended may result in fines of up to $5000/day.

**WELL DRILLER**

Couch Well Drilling, Inc. C-23094

- License business name
  - C-57 License No.
  - Rodney Couch

**Signature**

Rodney Couch

**Print**

**Date**

PO Box 1329, Kealakekua, HI 96750

**Phone**

808 328-1745

**Fax**

**E-mail**

welshrum@aol.com

**PUMP INSTALLER**

Couch Well Drilling, Inc. C-23094

- License business name
  - C-57C-57WA License No.
  - Rodney Couch

**Signature**

Rodney Couch

**Print**

**Date**

PO Box 1329, Kealakekua, HI 96750

**Phone**

808 328-1745

**Fax**

**E-mail**

welshrum@aol.com
**PROPOSED WELL SECTION**  
(please attach schematic if different from diagram provided below)

**Solid Casing Material:**
- Carbon Steel: compliant (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139
- 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 D32946
  - Centrifugally Cast Resin Pipe conforming to ASTM D2987
  - 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 (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139
- 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)
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  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,  
Bottom Elevation of Well Limit = \( \frac{1}{4} \times \text{Water Level Elev.} \)

Example: Estimated + 2 ft. Water Level Elev.  
\[ \text{Bottom Elevation of Well Limit} = \left( \frac{1}{4} \times 119 \text{ ft.} \right) \approx -10.5 \text{ ft.} \]
## WELL COMPLETION REPORT

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

Instructions: Please print or type and submit completed report within 30 days after well completion to the Commission on Water Resource Management, P.O. Box 627, Honolulu, Hawaii 96822. An as-built plot of the well and chemical analysis should also be submitted. For assistance call the Completion Regulation Branch at 808-684-2025.

### 1. STATE WELL NO: 4060-01  
WELL NAME: Honokohau Quarry Well  
ISLAND: Hawaii

### 2. LOCATION: Address  
Honokohau -Kailua Kona, Hi  
Tax Map Key: 7-4-2826

### 3. DRILLING OR PUMP INSTALLATION CONTRACTOR  
W.A.T, ELL DRILLING & DEVELOPMENT

### 4. CONTRACTOR'S C-57 LICENSE NUMBER  
C16543

### 5. NAME OF DRILLER WHO PERFORMED WORK  
JACK LINDEBERG

### 6. TYPE OF RIG/CONSTRUCTION  
Rotary

### 7. DATE OF WELL DRILLING COMPLETION  
July 31, 1995

### 8. GROUND ELEVATION (msl) 120.5 ft.  
Top of Drilling Platform (msl)  
Height of Drilling Platform above Ground surface 0 ft.  
Bench Mark and Method Used to Determine Ground Elevation

### 9. DRILLER'S LOG:

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Rock Description, Remarks, Dates</th>
<th>Water Level (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 122</td>
<td>Holes are slotted.</td>
<td>118.1</td>
</tr>
<tr>
<td>122</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123 to 137</td>
<td>Rating: -hard sand/</td>
<td></td>
</tr>
<tr>
<td></td>
<td>to soft layers</td>
<td></td>
</tr>
<tr>
<td>137</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** See below for more details.

### 10. TOTAL DEPTH OF WELL BELOW GROUND  
137' ft.

### 11. HOLE SIZE:  
10" inch dia. from 0 ft. to 137 ft. below ground

### 12. CASING INSTALLED:  
(120') 6" PVC in I.D. x in. wall solid section to 120 ft. below ground
(17') 6" PVC in I.D. x in. wall perforated section to 137 ft. below ground

### 13. ANNULUS:  
Grouted from 0 ft. below ground to 60' ft. below ground

### 14. INITIAL WATER LEVEL  
118.5 ft. below ground.  
Date and time of measurement:  
7/7/95 8am

### 15. INITIAL CHLORIDE  
above 500+ ppm  
Date and time of sampling:  
7/7/95 1pm

### 16. INITIAL TEMPERATURE  
7/7/95 8am

### 17. DATE OF PUMP INSTALLATION  
July 31, 1995

### 18. PUMP INSTALLATION:  
S.N. 25630-15  
Pump Type, Make, Serial No.  
Grundfos No. 9515, Type SP  
Capacity: 25 gpm

| Motor type, H.P., Voltage, rpm | Pumping Head  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Franklin 3HP 230V 3450 RPM</td>
<td>119.1 ft.</td>
</tr>
</tbody>
</table>

### 19. PUMPING TESTS:

<table>
<thead>
<tr>
<th>Date</th>
<th>Reference Point (R.P.) used:</th>
<th>Rate (gpm)</th>
<th>Draw down (ft)</th>
<th>Temp. °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/31/95</td>
<td>119.1 ft. below R.P.</td>
<td>35 gpm</td>
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<td>119.1 ft. below R.P.</td>
<td>35 gpm</td>
<td>2'</td>
<td></td>
</tr>
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</table>

**Remarks:** This well will be used for dust control

**Contractor (print):** ROBERT J. RICHARDSON  
**Date:** August 10, 1995

**Signature:***
7/7/95
MCLEAN WELL #1 4060-01

Elevation 121.8

@ Top of Casing (P.V.C)

- 10' hole
- 6' x 6' shed, 40 P.V.C.
- 'Casing' glued & screwed
- 100'
- 110'
- H20 @ 118.5'
- 17' slotted pipe
- T.D. 137'

SAND PACK

Cement Cap

SAND SEAL

River & 6' gravel pack
7/31/95 - Maclean Well #1 Pump (4000-01)

1/2" Stainless Safety Cable to Pump

1/2" Air Line

#10 Submersible

Electro Cable (4)

X X X X X

~ 2" Valve

Landing Head

Elev. 120.19', App.

X X X X X ~ Connt. SLAB

6" sched 40 PVC

12 3/4" @ 10' CA

2" sched 40

Threaded PVC = 120'

Crossover to pump

Intake = 2.75'

Total to pump intake
= 122.25'

H2O @ 119.1' FM. Landing Head

= 3.15' Submergence

Total Assembly (pipe, 1/2" pump & motor)
= 124.21'
AUGUST 10, 1995

COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

RE: WELL COMPLETION REPORT

Gentlemen:

We have enclosed a copy of the well completion report for the following well:

Honokohau Quarry Well # 1
TMK: 7-4-28:26
Island of Hawaii

If you have any questions, please call our office.

Thank you.

Theresa Shelby
Secretary

c.c. Robert McClean

mcclean5

A Water Development Joint Venture
P.O. Box 5685, Kailua-Kona, Hawaii 96745 • (808) 324-1420 • Fax (808) 322-0928
<table>
<thead>
<tr>
<th>TO:</th>
<th>INIT:</th>
<th>TO:</th>
<th>INIT:</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<td>See Me</td>
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<td>Review &amp; Comment</td>
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<td>Xerox ____ copies</td>
</tr>
</tbody>
</table>

**FOR:**
- **APPROVAL**
- **SIGNATURE**
- **INFORMATION**

**FROM:** E. Hirano

**DATE:** 7/5/85

**SUSPENSE DATE:**

**TO:**
- R. LOUI
- J. UWAIN
- F. CHING
- S. SUBIA
- K. YODA

**SURVEY BRANCH**

**TO:**
- E. SAKODA
- D. HIGA
- L. NAKAMA
- C. ICE
- R. JINNAR
- S. SWANSON

**REGULATION BRANCH**

**TO:**
- E. HIRANO
- G. BAUER
- R. HARDY
- N. FUJII
- M. OHYE
- I. KUNIMURA

**PLANING BRANCH**

**TO:**
- S. EDMUNDS
- L. MITUO

**SIGNATURE INFORMATION**

**PLEASE:**

**FILE**

**XEROX ____ COPIES**
Commission on Water Resources Management
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

26 June 1995

Gentlemen:

Re: Honokohau Quarry Well #1 (Well No.4060-01)
Honokohau North Kona, Hawaii

We have made arrangements with Wai'eli Drilling to drill the well approved for our property. The drilling will begin the latter part of this week—say June 30, 1995.

This Notice is given to comply with Condition #1 of the Permit which you issued to us.

Sincerely yours,

Robert S. Mc Clean
WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT

for
Honokohau Quarry Well No.1
(Well No. 4060-01)
Honokohau, North Kona, Hawaii

TO: Robert S. McClean
P.O. Box 3000
Kailua-Kona, Hawaii 96745

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Honokohau Quarry Well No.1 (Well No. 4060-01), is approved subject to the following conditions:

STANDARD WELL CONSTRUCTION/PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, before any work authorized by this permit commences.

2. The well construction/pump installation permit shall be for construction, testing, and installation of an 80 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided. The applicant shall submit to the Commission the test results and proposed permanent pump information, based on the test, for approval by the Chairperson.

3. 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 construct and 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.

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

5. 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 annually.
6. The well construction/pump installation permit may be revoked if work is not started within six (6) 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 (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.

7. An as-built sectional drawing of the well and pump installation shall be submitted to the Commission within thirty (30) days after completion of work.

8. The permit application and staff submittal approved by the Commission at its May 5, 1995 meeting are incorporated into the permit by reference.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management
MAY 19 1995
Date of Issuance

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 and return one copy of this permit to the Commission and retain a copy for your record.

cc: USGS
Department of Health
  Safe Drinking Water Branch
  Ground Water Protection Program
  Wastewater Branch
  Hawaii Department of Water Supply
TO: Mr. Kali Watson, Director  
Department of Hawaiian Home Lands

Mr. Clayton H.W. Hee, Chairman and Trustee At Large  
Office of Hawaiian Affairs

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

SUBJECT: Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Enc.

Response:

☑ We have no objections

☐ Not subject to our regulatory authority and permit

☐ Comments attached

☐ Additional information requested

☐ Extended review period requested

Contact Person: Luis A. Manrique  
Phone: 594-6925

Signed: Luis D. Olivero  
Date: 04/04/95
Mr. Thomas Arizumi, Chief
Environmental Management Division
State Department of Health
919 Ala Moana Blvd., 3rd Floor
Honolulu, Hawaii 96814

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

Response:

[] We have no objections
[] Not subject to our regulatory authority and permit
[] Comments attached
[] Additional information requested
[] Extended review period requested

Contact Person: Bill Wong
Signed: Bill Wong

Phone: 5864258
Date: 3/29/95
Mr. Thomas Arizumi, Chief
Environmental Management Division
State Department of Health
919 Ala Moana Blvd., 3rd Floor
Honolulu, Hawaii 96814

Attn: Mr. Dennis Tulang

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12, 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

[Signature]

Response:

✓ We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: Lori Kajiwara
Signed: Lori Kajiwara
Phone: 586-4294
Date: 3-31-95
TO: Dr. Don Hibbard, Director  
Historic Preservation Program  
Mr. William Devick  
Division of Aquatic Resources  
FROM: Rae M. Loui, Deputy Director  
Commission on Water Resource Management  
SUBJECT: Well Construction and Pump Installation Permit Applications  

Please review the following permit applications pursuant to your area of concern and submit your comments to us by **APR 12 1995**.  

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Response:

- We have no objections
- Not subject to our regulatory authority and permit
- Comments attached
- Additional information requested
- Extended review period requested

Contact Person: **Bill Devick**  
Signed: **Bill Devick**  
Phone: **587-0225**  
Date: **3-30-95**
APPLICATION FOR PERMIT

Well Construction  □ Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 261, Honolulu, Hawaii 96826. 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: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: McCLEAN HONOKOHAU PROPERTIES
   Contact Person: JIM McCLEAN  Ph: 329-4213
   Address: P.O. Box 3000
   Kailua-Kona, HI. 96745

   (b) LANDOWNER
   Firm/Name: SAME
   Contact Person: Ph: 
   Address: 

   (c) CONTRACTOR
   Firm/Name: KIEWIT-PACIFIC CO  Ph: 334-0332
   Contractor’s C-57 License No: ABC 12087
   Address: 75-5595 Palani Rd.  #6-438
   Kailua-Kona, HI 96740

2. WELL LOCATION/NAME: HONOKOHAU QUARRY WELL
   Island: Hawaii
   Address: 5039 D Queen Kaahumanu Highway
   (Attach a USGS map, scale 1”=2007, and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
   □ Drill New Well
   □ Modify Existing Well
   □ Redrill
   □ Install New Pump
   □ Replace Pump
   □ Modify Pump
   □ * Abandon/Seal
   * Be sure to complete and submit well abandonment report upon completion of work.

   (b) WELL TYPE:
   □ Dug
   □ Bored
   □ Driven
   □ Drilled
   □ Radial
   □ Submersible
   □ Centrifugal
   □ Rotary
   □ Rotary-Displacement
   □ Reciprocating
   □ Rotary-Gear
   □ Impulse
   □ Pump Capacity: 80 gallons per minute
   □ Motor:
   □ Diesel
   □ Gas
   □ Electric, rated horsepower of

4. PROPOSED PUMP INFORMATION:

5. PROPOSED USE:
   □ Domestic (individual, noncommercial water use)
   □ Irrigation (crop)
   □ State Land Use District:
   State Land Use District:
   □ Urban
   □ Agriculture
   □ Rural
   □ Conservation
   □ Other (explain)
   □ County Zoning (describe):

   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   15,000 gallons per day

   (b) METHOD OF FLOW MEASUREMENT:
   □ Flow-meter
   □ Open-pipe
   □ Office Plate
   □ Well

7. PENDING ACTIONS:
   □ CDUA
   □ SMA
   □ GIS
   □ EA
   □ NONE
   □ Other (explain)

8. REMARKS, EXPLANATIONS:

   (If more space is needed, continue on back)

   NOTE: Signing below indicates that the applicant understands that, if the permit requested is granted by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after completion date of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that upon completion of work shall not constitute a determination of corrective water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

   McCLEAN HONOKOHAU PROPERTIES
   Contract

   Well Owner
   Signature: Robert J. McClean
   Date: 3/1/95

   Landowner
   Signature: Therese J. McClean
   Date: 3/1/95

   Contractor
   Signature: Therese J. McClean
   Date: 3/1/95

   For Official Use Only:
   Date Received
   Date Accepted
   Field Checked By
   Date
   Longitude
   Aquifer System Name
   State Well No.
Remarks, Explanations (cont'd):

**Location of Well:** From SW Corner of Parcel, Measure 1200' Mauka along South property line to a point; then 100' due North to Well site.

---

**9. PROPOSED WELL SECTION**

- **Elevation at top of casing:** 18 ft., msl.
- **Cement Grout:** 18 ft.
- **Rock Packing:** 62 ft. to Bottom of Casing
- **Hole Diameter:** 6" in.
- **Total Depth:** 120 ft.
- **Ground Elevation:** 110 ft., msl

**Solid Casing:**
- **Material:** PVC
- **Length:** 80 to 90 ft.
- **Diameter:** 4" in.
- **Wall thickness:** 4/16" in.

**Casing:**
- **Material:** PVC
- **Length:** 20 ft.
- **Diameter:** 4" in.
- **Wall thickness:** 4/16" in.
- **Openings:** sq. in./lf.

**Open Hole:**
- **Length:** 30' ft.
- **Diameter:** 6" 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.*
Mr. Robert S. McClean
McClean Honokohau Properties
P.O. Box 3000
Kailua-Kona, Hawaii 96745

Dear Mr. McClean:

We have received your application and filing fee for a permit to construct and install a pump in Honokohau Quarry Well (Well No. 4060-01) at Honokohau, Kailua-Kona, Hawaii, (TMK: 7-4-08, 26). We are reviewing the application for completeness.

Should you have any questions, please call the Commission on Water Resource Management staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Cl:ss
Mr. Thomas Arizumi, Chief
Environmental Management Division
State Department of Health
919 Ala Moana Blvd., 3rd Floor
Honolulu, Hawaii 96814

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12 1995.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]
RAE M. LOUI
Deputy Director

CI:ss
Enc.

Response:
( ) We have no objections
( ) Not subject to our regulatory authority and permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ____________________ Phone: ______________
Signed: ___________________________ Date: _____________
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
State Department of Health  
919 Ala Moana Blvd., 3rd Floor  
Honolulu, Hawaii 96814  

Attn: Mr. Dennis Tulang  

Dear Mr. Arizumi:  

Well Construction and Pump Installation Permit Applications  

Please review the following permit applications pursuant to your area of concern and submit your comments to us by ____ APR 1, 1995 ____.  

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.  

Sincerely,  

RAE M. LOUI  
Deputy Director  

Response:  

( ) We have no objections  
( ) Not subject to our regulatory authority and permit  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested  

Contact Person: ____________________________  Phone: ________________  
Signed: ____________________________  Date: ________________
Ms. Marjorie Ziegler
Sierra Club Legal Defense Fund, Inc.
223 South King Street, Suite 400
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12, 1995.

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Sincerely,

RAE M. LOUI
Deputy Director

Response:

() We have no objections
() Not subject to our regulatory authority and permit
() Comments attached
() Additional information requested
() Extended review period requested

Contact Person: __________________________ Phone: __________________
Signed: ________________________________ Date: __________________
TO: Mr. Kali Watson, Director
Department of Hawaiian Home Lands

Mr. Clayton H.W. Hee, Chairman and Trustee At Large
Office of Hawaiian Affairs

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

SUBJECT: Well Construction and Pump Installation Permit Applications

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Enc.

Response:

() We have no objections
() Not subject to our regulatory authority and permit
() Comments attached
() Additional information requested
() Extended review period requested

Contact Person: ___________________________ Phone: ________________
Signed: _________________________________ Date: ________________
TO: Dr. Don Hibbard, Director  
Historic Preservation Program  
Mr. William Devick  
Division of Aquatic Resources  
FROM: Rae M. Loui, Deputy Director  
Commission on Water Resource Management  
SUBJECT: Well Construction and Pump Installation Permit Applications

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Response:

() We have no objections  
() Not subject to our regulatory authority and permit  
() Comments attached  
() Additional information requested  
() Extended review period requested

Contact Person: ____________________________ Phone: ____________

Signed: ____________________________ Date: ____________
Mr. William Sewake, Manager  
Department of Water Supply  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Mr. Sewake:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by  **APR 12 1995**.

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<td>Honokohau Quarry Well</td>
<td>4060-01</td>
<td>Well and Pump</td>
</tr>
</tbody>
</table>

Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Response:

() We have no objections  
() Not subject to our regulatory authority and permit  
() Comments attached  
() Additional information requested  
() Extended review period requested

Contact Person: ___________________________ Phone: ________________
Signed: ___________________________ Date: ________________
Ms. Donna Fay K. Kiyosaki
Chief Engineer
Department of Public Works
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 12 1995.

<table>
<thead>
<tr>
<th>Island</th>
<th>Well Name</th>
<th>Well No.</th>
<th>Application Type</th>
</tr>
</thead>
<tbody>
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<td>Hawaii</td>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

Response:

- We have no objections
- Not subject to our regulatory authority and permit
- Comments attached
- Additional information requested
- Extended review period requested

Contact Person: ____________________________ Phone: ______________

Signed: ____________________________ Date: ______________
March 8, 1995

COMMISSION OF WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

RE: MC CLEAN HONOKOHAU PROPERTIES L.P.
APPLICATION FOR PERMIT TO CONSTRUCT A WATER WELL
KAILUA-KONA--TMK 7-4-08; 26

DEAR SIRS;

ENCLOSED IS THE APPLICATION OF MC CLEAN HONOKOHAU PROPERTIES TO DRILL A WATER WELL ON THE REFERENCED PROPERTY. THE PRIMARY PURPOSE OF THE WELL IS TO PROVIDE WATER TO CONTROL DUST IN OPERATION OF A QUARRY ON THE PROPERTY.

IF THE WATER IS OF SUFFICIENT QUALITY, WE WILL ALSO USE THE WATER FOR LANDSCAPE IRRIGATION.

ENCLOSED IS ALSO A CHECK FOR $25.00 AS A FILING FEE.

IF YOU HAVE QUESTIONS ABOUT THE APPLICATION, PLEASE TELEPHONE MY SON JIM MC CLEAN AT 329-4213 OR THE CONTRACTOR BOB WARNE AT 334-0332.

SINCERELY YOURS,

ROBERT S. MC CLEAN
PAY TWENTY FIVE AND NO/100----------- DOLLARS $25.00

TO THE ORDER OF DEPT. OF LAND AND NATURAL RESOURCES.

Jeanette B. McClean

DATE 3/8/95

DESCRIPTION Filing Fee for APPLICATION FOR PERMIT - Well Construction

AMOUNT 25.00

Note: Gave Kathy for deposit 3/24/95
APPLICATION FOR PERMIT

Well Construction or Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. 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 587-6225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: McCLEAN HONOKOHAU PROPERTIES
      Contact Person: JIM McCLEAN
      Address: P.O. Box 3000
      Kailua-Kona, HI. 96745
   (b) LANDOWNER
      Firm/Name: SAME
      Contact Person: Ph.
      Address: 
   (c) CONTRACTOR
      Firm/Name: KIEWIT-PACIFIC CO
      Address: 75-5595 Palani Rd. #6-438
      Kailua-Kona, HI. 96740

2. WELL LOCATION/NAME: HONOKOHAU QUARY WELL
   Island: Hawaii
   Address: 5039 D Queen Kaahumanu Highway
   (Attach a USGS map, scale 1" = 2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
   □ Gril New Well  □ * After Location
   □ Modify Existing Well  □ Redrill  □ Deepen  □ * Abandon/Seal
   □ Install New Pump  □ Replace Pump  □ Modify 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: 80 gallons per minute
   Pump Type:  □ Deep Well Turbine  □ Submersible  □ Centrifugal
   □ Rotary  □ Propeller  □ Impulse  □ Reciprocating
   Motor:  □ Diesel  □ Gas  □ Electric, rated horsepower of

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)  □ Military
   □ Domestic (individual, non-commercial water system.)  □ Industrial
   □ Irrigation (crop)  □ Other (explain)
   State Land Use District:  □ Urban  □ Agriculture
   County Zoning (describe):  MU 40
   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 15,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:  □ Flow-meter
   □ Open-pipe  □ Office Plate  □ Weir

7. PENDING ACTIONS:  □ CDU  □ SMA  □ EIS  □ EA  □ NONE  □ Other (explain)

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

NOTE: Signing below indicates that the applicant understands that, if the permit requested is granted by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after completion of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that the proposed permit 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:
Date Issued
Date Approved
Field Checked By
Date

Well Owner
Signature: McCLEAN HONOKOHAU PROPERTIES
Date: 4/3/95

Landowner
Signature: McCLEAN HONOKOHAU PROPERTIES
Date: 4/3/95

Contractor
Signature: KIEWIT-PACIFIC
Date: 4/3/95

COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

The pumping of water shall not cause a lowering of the water level to the extent that it will overdraft the aquifer. The need for additional water for a domestic, commercial, or industrial use shall be demonstrated by a careful analysis of the water supply and demand. The permittee shall immediately report any condition that causes a lowering of the water level to the extent that it will overdraft the aquifer. The permittee shall be required to take reasonable steps to minimize the effect on the aquifer.
Remarks, Explanations (cont'd):

Location of Well: From SW Corner of Parcel, Measure 1200' Mauka along South property line to a point; then 100' due North to Wellsite.

9. PROPOSED WELL SECTION

- Ground Elevation: 110 ft. msl
- Cement Grout: 18 ft.
- Rock Packing: 62 ft. to Bottom of Casing
- Hole Diameter: 6" in.
- Total Depth: 120 ft.
- Ground Elevation: 110 ft. msl

- Solid Casing:
  - Material: PVC
  - Length: 70 to 90 ft.
  - Diameter: 4 in.
  - Wall thickness: 1/4 in.

- Casing:
  - Perforated □ Screen
  - Material: PVC
  - Length: 20 ft.
  - Diameter: 4 in.
  - Wall thickness: 1/4 in.
  - Openings: sq. in./L.F.

- Open Hole:
  - Length: 30 ft.
  - Diameter: 6" 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.
APPLICATION FOR PERMIT
Well Construction or Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96809. 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: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: McCLEAN HONOKOHAU PROPERTIES
      Contact Person: JIM McCLEAN  Ph: 329 4213
      Address: P.O. Box 3000
               Kailua-Kona, HI 96745
   (b) LANDOWNER
      Firm/Name: SAME
      Contact Person: Ph:
      Address:
   (c) CONTRACTOR
      Firm/Name: KIEWIT-PACIFIC CO  Ph: 334-0332
      Contractor's C-57 License No: ABC 12087
      Address: 75-5595 Palani Rd. 86-438
               Kailua-Kona, HI 96740

2. WELL LOCATION/NAME: HONOKOHAU QUARRY WELL
   Island: Hawaii
   Address: 5039 D Queen Kaahumanu Highway
   (Attach a USGS map, scale 1" = 2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
      Drill New Well  
      Modify Existing Well  
      Redrill  
      Install New Pump  
      Replace Pump  
      * Be sure to complete and submit well abandonment report upon completion of work.
      □ Alter Location  
      □ Deepen  
      □ * Abandon/Seal

(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: 800 gallons per minute
   Pump Type:
      □ Deep Well Turbine  
      □ Submersible  
      □ Centrifugal  
      □ Rotary  
      □ Rotary-Displacement  
      □ Rotary-Gear  
      □ Impulse  
      □ Propeller  
      □ Reciprocating  
      □ Gas  
      □ Electric, rated horsepower of
      □ Diesel
      □ Motor:

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)  
   □ Domestic (individual, noncommercial/water sys.)  
   □ Irrigation (crop)  
   □ Other (explain)  
   □ State Land Use District:
     □ Urban  
     □ Agriculture  
     □ Rural  
     □ Conservation  
   County Zoning (describe):
   ML 40 A  
   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 15,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      □ Flow-meter  
      □ Open-pipe  
      □ Orifice Plate  
      □ Weir
   □ Other (explain)

7. PENDING ACTIONS:
      □ CDUA  
      □ SMA  
      □ GIS  
      □ EA  
      □ None  
      □ Other (explain)

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

NOTE: Signing below indicates that the applicant understands that if the permit is issued by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after completion date of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that approval of the proposed work is a determination of comparative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: McCLEAN HONOKOHAU PROPERTIES

McCLEAN HONOKOHAU PROPERTIES [Signature]
Date: 3/3/95

Landowner: McCLEAN HONOKOHAU PROPERTIES

[Signature]
Date: 3/3/95

 Contractor: KIEWIT-PACIFIC CO

[Signature]
Date: 3/3/95

For Official Use Only:
Date Received
Date Accepted
Field Check By
Date
Longitude
Latitude
Aqurifer System Name
State Well No.

6/24/92 WCR Fo
Remarks, Explanations (cont'd):

Location of Well: From SW Corner of Parcel, Measure 1200' Mauka along South property line to a point; then 100' due North to Welleite.

9. PROPOSED WELL SECTION

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>120 ft., ma*</td>
</tr>
<tr>
<td>Elevation at top of casing</td>
<td>15 ft., ma*</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>12 ft.</td>
</tr>
<tr>
<td>Solid Casing</td>
<td>PVC</td>
</tr>
<tr>
<td>Material</td>
<td>Length 80 to 90 ft.</td>
</tr>
<tr>
<td>Diameter 4 in.</td>
<td></td>
</tr>
<tr>
<td>Wall thickness 1/4 in.</td>
<td></td>
</tr>
<tr>
<td>Rock Packing</td>
<td>62 ft.</td>
</tr>
<tr>
<td>To Bottom of Casing</td>
<td></td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>6&quot; in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>120 ft.</td>
</tr>
<tr>
<td>Casing</td>
<td>Perforated Screen</td>
</tr>
<tr>
<td>Material</td>
<td>PVC</td>
</tr>
<tr>
<td>Length</td>
<td>40 ft.</td>
</tr>
<tr>
<td>Diameter</td>
<td>4 in.</td>
</tr>
<tr>
<td>Wall thickness</td>
<td>1/4 in.</td>
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<td>Openings</td>
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*Approximate elevation at time of filing application. Ground elevation above mean sea level (ma) 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.
State of Hawaii
Department of Land and Natural Resources
Commission On Water Resource Management
P.O. Box 621
Honolulu, HI 96809

WELL CONSTRUCTION AND PUMP INSTALLATION PERMIT APPLICATIONS
APPLICANT: McCLEAN HONOKOHAU PROPERTIES
WELL NO. 4060-1 HONOKOHAU QUARRY WELL
TAX MAP KEY: 7-4-8:26

We have reviewed the subject applications and have no comments.

We are enclosing the application for your files as requested per your telecon of April 3, 1995.

Milton D. Pavao, P.E.
Manager

Enclosure

...Water brings progress...
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

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   Contractor's C-57 License No: ABC 12087
   Address: 75-5595 Palani Rd, #6-438
   Kailua-Kona, HI 96740

2. WELL LOCATION/NAME: HONOKOHAU QUARRY WELL
   Island Hawaii
   Address: 5039 D Queen Kaahumanu Highway
   Tax Map Key: 7-4-08: 26
   (Attach a USGS map, scale 1:12000, and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
   Drill New Well
   Modify Existing Well
   Install New Pump
   Repeat Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

   (b) WELL TYPE:
   Dug
   Bored
   Driven
   Radial

   Is this well 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: 80 gallons per minute
   Pump Type:
   Deep Well Turbine
   Submersible
   Centrifugal

   Motor:
   Diesel
   Gas
   Electric, rated horsepower of

5. PROPOSED USE:
   Municipal (including hotels, stores, etc.)
   Domestic (individual, noncommercial water sys.)
   Irrigation (crop)
   Military
   Industrial
   Other (explain)  (If more space is needed, continue below under remarks, explanations.)
   State Land Use District: Urban
   Agriculture
   Rural
   Conservation
   County Zoning (describe): NL 40 A

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   15,000 gallons per day

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

7. PENDING ACTIONS:
   CDUA
   SMA
   BIS
   EA
   NONE
   Other (explain)

8. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back)

NOTE: Signing below indicates that the applicant understands that, if the permit requested is granted by the Commission on Water Resource Management, the proposed work to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days of completion of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that upon completion of the proposed work, he 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.

McCLEAN HONOKOHAU PROPERTIES

FOR OFFICIAL USE ONLY:
Date Received
Date Accepted
Field Checked By
Date

Longitude
State Well No.

Latitude

AQUIFER SYSTEM NAME

8/24/92 WCP

Well Owner
Signature: Robert L. McClean
Date: 2/17/95

Landowner
Signature: Robert L. McClean
Date: 3/7/95

Contractor
Signature: Robert L. McClean
Date: 3/6/95
Remarks, Explanations (cont'd):

Location of Well: From SW Corner of Parcel, Measure 1200 ft. Mauka along South property line to a point; then 100 ft due North to Wellsite.

9. PROPOSED WELL SECTION

Elevation at top of casing

Ground Elevation: 120 ft., msl*

Cement Grout: 18 ft.

Rock Packing 62 ft.

To Bottom of Casing

Hole Diameter: 6" in.

Total Depth 120 ft.

Solid Casing:
Material PVC
Length 80 to 90 ft.
Wall thickness 7/8 in.

Casing: □ Perforated □ Screen
Material PVC
Length 20 ft.
Diameter 4" in.
Wall thickness 7/8 in.
Openings sq. in./LF.

Open Hole:
Length 30 ft.
Diameter 6" 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.