Yes, The well construction is complete. Bill Steele did it. I thought the paperwork was also completed but maybe not. I will check.

On Mon, Jan 31, 2011 at 11:08 AM, <Charley.F.Ice@hawaii.gov> wrote:

The pump capacity was increased from 60 to 75 gpm, the permit extended to June 2011. On track?
Mr. Michael Robertson
Wailani Drilling, Inc.
110 West Uahi Way
Wailuku, HI 96793

Dear Mr. Robertson:

Pump Installation Permit
Hana Plantation (Well No. 4702-02)

Enclosed are two (2) originals of your approved Pump Installation Permit that supercedes and extends the original permit issued on September 4, 2008 for the captioned well, authorizing permanent pump installation work for your well. This permit increases the authorized pump size, supported by the pump tests. All standard conditions of the permit remain the same. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 14:

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 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 copy to the Commission office for our files.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete as of June 16, 2010.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Maui), extension 70218.

Sincerely,

LAURA H. THIELEN
Chairperson

Enclosure

c: Hana Plantation, LLC
USGS
Maui DWS
In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Hana Plantation (Well No. 4702-02) at TMK (2) 1-3-002:002, Maui, 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 (HAR).

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 75 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 sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/resources_permits.htm for current form).

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, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

10. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

12. 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.

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. 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 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-20115 Date: ___________________________

Printed Name: Michael Robertson Firm or Title: Wailani Drilling, Inc.

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

Attachments
June 24, 2010

Mr. Harry Coon
Hana Plantation, LLC
4000 Wailea Alanui
Wailea, HI 96753

Dear Mr. Coon:

Certificate of Well Construction Completion for Well No. 4702-02 (TMK (2) 1-3-002:002)

We are pleased to inform you that the Well Construction work permitted for the Hana Plantation Well (Well No. 4702-02) is complete and acceptable and welcome you as a new member to the community of well owners and ground water users in Hawaii.

To protect Hawaii’s natural ground water resources for the benefit of all, the following requirements apply to the use of your well:

1. Before this well can be pumped on a regular basis, a certificate of pump installation completion must be obtained.
2. If the well is not in use it must be properly capped.
3. If the well is to be abandoned then the landowner must cause a licensed contractor to apply for a well abandonment permit in accordance with §13-168-12(f), HAR, prior to any well sealing or plugging work.
4. In the event that the well operator and/or landowner changes, the Commission shall be notified prior to the change.
5. In the event the benchmark in the concrete base of the well is altered in any way, an updated version of the Well Elevation page of the Well Completion Report Part I shall be submitted to the Commission. If a licensed surveyor had estimated the original benchmark elevation then a licensed surveyor must establish the new benchmark elevation. The Well Elevation portion of the Well Completion Report Part I can be obtained by contacting Commission staff or at our website at www.hawaii.gov/dlnr/cwrm/resources_permits.htm.

Because ground water in Hawaii is a public trust, and adverse effects at one well may affect other water resources, any violation of the above conditions or any other provision of the Hawaii Administrative Rules may be subject to fines of up to $5,000 per day. The Commission needs your help and asks that you do your part in utilizing this shared resource. We prefer to work with you in meeting the goal of protecting our ground water resources together.

If you have any questions, please contact Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Maui), extension 70218.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
June 24, 2010

Mr. Michael Robertson
Wailani Drilling, Inc.
110 West Uahi Way
Wailuku, HI 96793

Dear Mr. Robertson:

Well Completion Report Part I for Well No. 4702-02

We received the final reporting requirements for the Hana Plantation Well (Well No. 4702-02) on June 16, 2010 and acknowledge that your Well Completion Report Part I is complete as of this date.

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

If you have any questions, please contact Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Maui), extension 70218.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

CI:ss

c: Hana Plantation, LLC
MEMO and ROUTE SLIP (ver. 04/23/09)  06/05/09

WCR 1 Check for Well No. 4702-02 (regulation/survey route)  

1. From Charley/Denise/Ryan  

2. **Well Log Check**  Geology Code for Well Index QH  Fm Name: Hana Volcs  D. England  

3. **Pump Tests Check**  Denise Mills  

<table>
<thead>
<tr>
<th>Step-Drawdown Test: followed WCPI Stds analysis attached</th>
<th>Yes</th>
<th>No</th>
<th>&lt;70 gpm no test required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant Rate Test: followed WCPI Stds analysis attached</td>
<td></td>
<td></td>
<td>&lt;50 gpm no test required</td>
</tr>
</tbody>
</table>

Potential Well Interference:  
Potential Stream Impacts:  
Additional Testing or Data Required:  
Pump Test Comments Attached:  
Proposed Pump Capacity is OK.:  

4. **Construction Check**  

| Mitch Ohye  
| R. Torres  

<table>
<thead>
<tr>
<th>data complete</th>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>followed Special Cond &amp; elevations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>well database updated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>location change significant? (SMA, CD, TMK)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Latitude | NAD27  20 41 N 42  
| Longitude | NAD83  150 62 W 43  |

5. Charley/Denise/Ryan  

<table>
<thead>
<tr>
<th>ATTACHMENTS FOR PUMP INSTALLATION PERMIT (2x)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER LETTER</td>
</tr>
<tr>
<td>COUNTY COMMENTS (DWS/SMA)</td>
</tr>
<tr>
<td>DOH COMMENTS</td>
</tr>
<tr>
<td>DLNR COMMENTS (LD/OCCI/DHP)</td>
</tr>
<tr>
<td>WCR 1 Accept</td>
</tr>
<tr>
<td>WELL CONST. COMPLETION CERTIFICATE</td>
</tr>
<tr>
<td>USGS/MAP UPDATED</td>
</tr>
<tr>
<td>PARCEL CHECK</td>
</tr>
<tr>
<td>WELL DATABASE INPUT CHECK</td>
</tr>
<tr>
<td>PUMP TEST WORKSHEET</td>
</tr>
<tr>
<td>WELL As-Built CHECK PRINT</td>
</tr>
</tbody>
</table>

6. Roy  
7. Susan Holgbin  
8. Ken  
9. Mitch  
10. Charley/Denise/Ryan  

6. ROy (initial) check (Entered WCR 1/WCCC accept date into database)  
7. Susan Holgbin (initial) finalize  
8. Ken (initial) signature  
9. Mitch (initial) Entered PIP issue date if attached/required  
10. Charley/Denise/Ryan File
Charley,

I received the letter asking for the well head photo and survey. This well should be pumping at 65gpm max due to friction loss and this huge hill it has to pump water up to a tank on. I always write those explanation on the WCR2, but wasn't going to submit that until I got the ok for the increase gpm. Is that all ok?

Leah  Well Head Photo.doc
Wailani Drilling Services, Inc.
License #C57-29485
110 West Uahi Way, Wailuku, HI 96793
Phone: 808-249-0149 • Fax: 808-244-4791
E-mail: wailanidrilling@gmail.com

Hana Plantation Well #4702-02
GPS: N 20° 47.525'
W 156° 02.303'
Here's the survey Charley! Hana Plantation Well #4702-02

I don't know how that fell through with the increase in gpm request. I will have someone contact you asap regarding the request.

Thank you,
Leah

On Wed, Jun 16, 2010 at 1:53 PM, <Charley.F.Ice@hawaii.gov> wrote:

I see two references to a request for increased pump size, but no actual request, so I don't know how much bigger. I guess that's why we didn't get past this point before. The pump tests went up to 90 gpm for an 8-hr period. If that's the ultimate size, we could okay it, but we'd respond in writing to an official request, which I guess we still need, and it should come from Mike at this point, and it can be by email.

If it's over 100 gpm, we'd need new pump tests, and it would be a 24-hour test. The larger pump could be permitted on the condition of a new completion report, and of course any required new pump tests being forwarded with it. Please call if you have other questions.
State of Hawaii Well No. 4702-02

PLOT PLAN

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

Lat 20°47'43.036"
Long 156° 02'28.259"

Well Elevation

Benchmark Elevation 305.28
(0.01 ft. above msf)

Concrete Pad

Benchmark reference control point

Hana SE Base Trig. Sta.

Surveyor's stamp and signature

EDGARDO V. VALESAI
LICENSED PROFESSIONAL LAND SURVEYOR
Certificate # 5076
Thanks, Leah. The increased pump size is OK. Our July 14, 2009 letter acknowledged the August 12, 2008 request along with the WCR1 transmittal on June 1, 2009, by requesting the wellhead survey necessary for a pump over 70 gpm, and we also requested a wellhead photo.

At this point, we still do not have the wellhead photo or survey, so have not sent a letter accepting the completion report, Part 1, which would also include a new pump permit with the requested increase to 75 gpm.

Whew! Thanks for bulldogging this!

---

Charley, Please see all attached emails. These are a few of our conversations regarding the gpm increase letter you had received and acknowledged you received.

**Forwarded conversation**
Subject: Hana Plantation well #4702-02 (1/2)

From: Leah Robertson <leah.wailanidrilling@gmail.com>
Date: Mon, Jun 1, 2009 at 12:35 PM
To: Charley.F.Ice@hawaii.gov

Charley,

Please see attached and let me know you received both email attachments. Did you still need me to write out a request for increased gpm, or is my previous one sufficient?

Thank you,
Leah

--------
From: <Charley.F.Ice@hawaii.gov>
Date: Mon, Jun 1, 2009 at 3:56 PM
To: Leah Robertson <leah.wailanidrilling@gmail.com>

Thanks, Leah; the request sent earlier is fine -- sorry I missed it at first. Please reflect the request on the "Remarks" line on WCR part 2. We'll assume the pump tests you're sending in are: 1) run at the requested amount during the constant rate test, and 2) you go even higher on your last stage of the step-drawdown test.

06/01/2009 12:39 PM
To
cc
Subject Hana Plantation well #4702-02 (1/2)

Leah[attachment "WCP.pdf" deleted by Charley F Ice/DLNR/StateHiUS] [attachment "WCR1.pdf" deleted by Charley F Ice/DLNR/StateHiUS]

--------
From: Leah Robertson <leah.wailanidrilling@gmail.com>
Date: Tue, Jun 2, 2009 at 8:40 AM
To: Charley.F.Ice@hawaii.gov

Charley,

We are requesting 75 gpm from 60 gpm. The test was run at 90 gpm. Sounds like we did it how you would like it!

Thanks for all of your help,

Leah

From: Charley.F.Ice@hawaii.gov [mailto:Charley.F.Ice@hawaii.gov]
July 14, 2009

Mr. Will Steele
P.O. Box 523
Puunene, HI 96784

Dear Mr. Steele:

Well Completion Report Part I for Well No. 4702-02

We have received your Well Completion Report Part I for the Hana Plantation Well (Well No. 4702-02). However, matters which must be addressed before we can accept your report as complete are as follows:

1. Please transmit a wellhead photo of this well.

2. Please transmit a wellhead elevation survey for the well as amended for a pump installation of 75 gpm.

Until these matters are addressed, we cannot issue the certificate(s) of well construction completion and/or pump installation completion that transfer(s) responsibility of all aspects of well usage and maintenance to the well operator/landowner. Please remember that the well may not be pumped for purposes other than well and aquifer testing until the certificates of 1) well construction completion and 2) pump installation completion have been issued, otherwise such pumpage would constitute a violation of the permit conditions. Since the permit is issued to the contractor, the contractor will be responsible for any non-testing pumpage violations when the certificates of completion have not been issued (where pumping tests are as defined in the Hawaii Well Construction and Pump Installation Standards). Please respond to the above item(s) within thirty (30) days of this letter's date. Failure to do so may result in fines of up to $5,000 per day.

If you have any questions, please contact Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Māui), extension 70218.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

Cc: Hana Plantation, LLC
To <Charley.F.Ice@hawaii.gov>

Subject Hana Plantation well #4702-02 (2/2)
Charley,

Please see attached and let me know you received both email attachments. Did you still need me to write out a request for increased gpm, or is my previous one sufficient?

Thank you,

Leah

See Aug. 12, 2008 Hr.
### 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 887-0225. For updates to this form or additional information, please visit our website at http://www.state.hi.us/ldnr/cwrm/

#### Water Level Data:

<table>
<thead>
<tr>
<th>Water Level Data</th>
<th>Reference point elevation</th>
<th>Depth to water (feet)</th>
<th>Water Level ft. above mean sea level (see note below)</th>
<th>Date/time of measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Initial encountered during drilling</td>
<td>Ground 305.4 ft. msl</td>
<td>299.8</td>
<td>5.8</td>
<td>1.27.09</td>
</tr>
<tr>
<td>10. Just prior to casing installation</td>
<td>Ground 305.4 ft. msl</td>
<td>299.8</td>
<td>5.8</td>
<td>2.17.09</td>
</tr>
<tr>
<td>11. After casing installation</td>
<td>If this reference point is not the benchmark, the difference between the benchmark and this point is: 300.0 ft. msl</td>
<td>300.0</td>
<td>5.8</td>
<td>2.20.09</td>
</tr>
</tbody>
</table>

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

#### Other Information:

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>Was the subject well cored? Yes No</td>
</tr>
<tr>
<td>7.</td>
<td>Step-Drawdown Test completed? No Yes</td>
</tr>
<tr>
<td>8.</td>
<td>Constant Rate Aquifer Test completed? No Yes</td>
</tr>
</tbody>
</table>

#### GPS Coordinates:

| GPS | N 20° 47.525' | W 150° 02.303' |

#### Remarks:

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

#### Licensed Driller Information:

<table>
<thead>
<tr>
<th>Licensed Driller (print)</th>
<th>Will Steele</th>
<th>C-57 Lic. No.</th>
<th>29485</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td></td>
<td>Date</td>
<td>4.29.09</td>
</tr>
</tbody>
</table>
12. AS-BUILT WELL SECTION  

(NEW PAGE)  

**Solid Casing Material:**
- Carbon Steel: compliant with (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 F480 and ASTM D1527: (check one): □ Schedule 40  □ Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40  □ Schedule 80  □ Schedule 120
- Thermoset Plastic: (check one)
  - □ Filament Wound Resin Pipe conforming to ASTM D2996
  - □ Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3296

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

**Minimum of 2’ Radius & 4” Thick Concrete Pad**

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>30 ft, msl*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Surveyed to nearest 0.01 ft.)</td>
<td>(Estimated)</td>
</tr>
<tr>
<td>Hole Diameter:</td>
<td>12.25 in.</td>
</tr>
<tr>
<td>Minimum of 2’ Radius &amp; 4” Thick Concrete Pad</td>
<td></td>
</tr>
<tr>
<td>Ground Elevation:</td>
<td>35 ft, msl*</td>
</tr>
<tr>
<td>Surveyed</td>
<td>Estimated</td>
</tr>
</tbody>
</table>

**Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS**

to ensure that your as-built is in compliance with applicable standards.

**Solid Casing:** (≥ 90% x (Ground Elev.-Water Level Elev))
- Length: □ 31 ft
- Nominal Diameter: □ 10 in.
- Wall Thickness: □ 0.25 in.
- Bottom Elevation: □ -9.4 ft, msl

**Open Casing:**
- □ Perforated  □ Screen
- Length: □ 20 ft.
- Nominal Diameter: □ 6 in.
- Wall Thickness: □ 0.3 in.
- Bottom Elevation: □ -29.4 ft, msl

**Ground Elevation:**
- 35 ft, msl* | 39 ft, msl* |
- (min. 70% of distance from ground elevation to top of water surface or 500 ft. whichever is less.)

**Rock or Gravel Packing:**
- □ Crushed Basalt
- □ Rounded Gravel

**Water Level Elevation:**
- 5 ft, msl* (item 11 from page 1)

**Total Depth:**
- 33 ft

*msl = mean sea level
2009
DRILLER'S LOG

WELL NUMBER: **4902-C2**  In addition to the driller's log, if a geologic log was prepared, please submit with this form

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description</th>
<th>Water Level</th>
<th>Dates</th>
<th>Depths (ft.)</th>
<th>Rock Description</th>
<th>Water Level</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 10</td>
<td>lava &amp; cinders</td>
<td></td>
<td>1/13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 to 30</td>
<td>lava rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 to 50</td>
<td>lava rock</td>
<td></td>
<td>1/14</td>
<td></td>
<td></td>
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<tr>
<td>50 to 70</td>
<td>blue rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70 to 90</td>
<td>soft rock &amp; cinders</td>
<td></td>
<td>1/15</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>90 to 110</td>
<td>cinder rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110 to 130</td>
<td>soft cinders</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130 to 150</td>
<td>lava rock</td>
<td></td>
<td>1/19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150 to 170</td>
<td>blue rock</td>
<td></td>
<td>1/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>170 to 190</td>
<td>blue rock</td>
<td></td>
<td></td>
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Remarks:
CONSTANT-RATE PUMP TEST DATA
(not required for wells producing < 50 gpm)

Pumped Well No. 4702-02
Observation Well No. n/a
Pumped Well Name Hans Plantation Well
Distance between Obs. & Pumped Well n/a ft.
Target Q 90 gpm
Reference pt. for depth to water 307.0 ft. msl
Distance water level measurements by: ☑ electrical sounder  ☐ pressure transducer  ☐ airline

Static Water Level @ start of test 5.0 ft. msl

START TEST Date: 01.18.2009  Time of day: 10:15

Flow Meter Reading Start: 16057 gallons

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Flow meter reading at end of pumped period: 401,633 gals

chloride sampling required

Use same ending drawdown figure as start for recovery
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END TEST  Date: 3.18.2007  Time of day: 1900

ADDITIONAL REMARKS: _______________________________________________________

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

Signature: The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this pump test.
**STEP-DRAWDOWN PUMP TEST DATA**

(not required for wells producing < 100,000 gpd or 70 gpm)

- **Pumped Well No.**: 4392-02
- **Pumped Well Name**: Hana Plantation
- **Target Q**: 90 gpm
- **Reference pt. for depth to water**: 307.0 ft. msl
- **Static Water Level @ start of test**: 5.8 ft. msl
- **Distance between Obs. & Pumped Well**: N/A ft.

**Water level measurements by:**
- ☑️ electrical sounder  ☐ pressure transducer  ☐ airline

**START TEST**
- **Date**: 3-18-2009
- **Time of day**: 0700
- **Flow Meter Reading Start**: 0 gallons

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**Remarks**

Step 2 begin?
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*Max possible duration, water level or quality did not stabilize for any 24 period*  
*Begin recovery data next page*  
*Flow meter reading at end of pumped period: 1205 + gals*

1. starting pumping rate Q  
2. minimum length of step period of constant pumping rate  
3. minimum mandatory Chloride (CF) measurement/sampling at end of every step  
4. Use same ending drawdown figure as start for recovery
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END TEST  Date: 3-10-2009  Time of day: 1015
ADDITIONAL REMARKS: ________________________________________________________________

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

Signature: ____________________________________________________________

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

Hana Plantation Well, Well No. 4702-02

Note: This permit shall be prominently displayed at the construction site until the work is completed.

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff at www.hawaii.gov/dlnr/cwrm/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

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

6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

7. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit shall be extended by the Chairperson upon a showing of good cause and faithful performance. A request to extend the permit shall be submitted to the Chairperson no later than the date the permit expires.

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

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assignees, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: July 2, 2008
Expiration Date: July 2, 2010

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: ________________________________ Date: 9-5-2008
C-37 License #: C-20115
Firm or Title: Wailani Drilling, Inc.

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

Attachment
Notice to start work
Hana Plantation Well #4702-02

Dear Charley,

January 5, 2009

This is to inform you that we will be mobilizing our drill rig & equipment to this location and intend to start drilling within the next 2 weeks. Please let me know that you received this notification.

Thank you,
Leah Robertson
Assistant Project Coordinator
Charley,

Please see attached WCP and notice to start work. Please let me know that you received these.

Thank you,

Leah

WCP.pdf Notice to start work.doc
WELL CONSTRUCTION PERMIT

Hana Plantation Well, Well No. 4702-02

Note: This permit shall be prominently displayed at the construction site until the work is completed.

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrmlforms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

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

6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

7. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination or correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/ewrm/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than the date the permit expires.

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

13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: July 2, 2008
Expiration Date: July 2, 2010

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller’s Signature: Michael Robertson
C-57 License #: C-20115 Date: 9-5-2008

Printed Name: Michael Robertson Firm or Title: Wailani Drilling, Inc.

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

Attachment
COMMISSION ON WATER RESOURCE MANAGEMENT (06/08)

FROM: ROY  
DATE: AUG 13 2008  

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(North has several outstanding issues - right? 
Clear except for Equestrian photo (req. 4wks) scheduled 
need to respond accordingly) 
- new driller? see edits (oops)
Ref: 4702-02.wcp2

Mr. Michael Robertson
Wailani Drilling, Inc.
P.O. Box 523
Puunene, HI 96784

Dear Mr. Robertson:

Well Construction Permit
Hana Plantation Well (Well No. 4702-02)

Enclosed are two (2) copies of the approved Well Construction Permit for the captioned well(s) that authorize well construction activities, which has been transferred to you from the former contractor, Wayne Arakaki, ABC-11912, but excludes installation work for a permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities. Also, please contact the Noise Radiation and Indoor Air Quality Branch at 586-4700 to check compliance with construction noise permit requirements for this project.

2. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

3. Well depth shall not exceed one-fourth the theoretical aquifer thickness without first requesting a variance, with explanation.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218.

Sincerely,

LAURA H. THIELLEN
Chairperson

Enclosures

c: Hana Plantation, LLC (with applicable comments – DOH WWB, CWB, Land Division)
USGS
Maui DWS
Wayne I. Arakaki
WELL CONSTRUCTION PERMIT

Hana Plantation Well, Well No. 4702-02

Note: This permit shall be prominently displayed at the construction site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrml/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.

4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

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

6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

7. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrml/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than the date the permit expires.

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

13. The permittee, its successors, and assignees shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: July 2, 2008
Expiration Date: July 2, 2010

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: ____________________________ C-57 License #: ____________________________ Date: ____________

Printed Name: Michael Robertson Firm or Title: Wailani Drilling, Inc.

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

Attachment
September 4, 2008

Enclosed are two (2) originals of the approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for this well, which has been transferred to you from the former contractor, Wayne Arakaki, ABC-11912. 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 is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

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

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218.

Sincerely,

Laura H. Thielen
Chairperson

Enclosure

c: Hana Plantation, LLC
   USGS
   Maui DWS
   Wayne I. Arakaki
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 Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, 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 60 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: July 2, 2008
Expiration Date: July 2, 2010

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-20115 Date:

Printed Name: Michael Robertson Firm or Title: Wailani Drilling, Inc.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
August 11, 2008

Commission of Water Resource Management
P.O. Box 621
Honolulu, Hawaii 96809

Gentlemen,

re: Hana Plantation water well permit # 4702-02

We are transferring this permit #4702-02 for this water well to

Wailani Drilling, Inc. Please give me a call if you have any questions on this

matter.

Sincerely,

Wayne I. Arakaki

ABC #11912
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I don't think we need the app - just transfer as we have Araki's concurrence already. Issue WCP with Mike's name & new proposed pump.
To Whom It May Concern: August 12, 2008

We are resubmitting the application that Wayne Arakaki previously submitted for the permitting of the construction of the Hana Plantation Well #4702-02. He is requesting to transfer the permit to Wailani Drilling Inc.

We are requesting to increase the proposed pumping rate of 60gpm to 75gpm. The proposed gallons per day will stay the same, but we feel we need a slightly larger pump than was originally anticipated by Wayne to accommodate the land owners' needs.

Thank you for your assistance in this matter,

Leah Robertson
for Michael Robertson C57-20115
August 11, 2008

Commission of Water Resource Management
P.O. Box 621
Honolulu, Hawaii 96809

Gentlemen,

re: Hana Plantation water well permit # 4702-02

We are transferring this permit #4702-02 for this water well to

Wallani Drilling, Inc.. Please give me a call if you have any questions on this matter.

Sincerely,

Wayne I. Arakaki
ABC #11912
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**COMMISSION ON WATER RESOURCE MANAGEMENT** (06/08)

**TO:** KUNIMURA, I.  **INIT:**  **FOR:** Approval
**TO:** LEROUX, E.  **INIT:**  **FOR:** Signature
**TO:** MILLS, D.  **INIT:**  **FOR:** Information

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

*Attachment of new transfer request (attached)*
August 11, 2008

Ms. Laura H. Thielen, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P O Box 621
Honolulu HI 96809

Subject: Well Construction/Pump Installation Permit Application
Hana Plantation Well (Well No. 4702-02)
TMK: (2)1-3-002:002

Dear Ms. Thielen:

Thank you for the opportunity to comment on this well construction/pump installation permit application.

We understand that the proposed well would withdraw 30,000 gpd from Kawaipapa aquifer. The Department is not currently serving the project area. We have no objections should the subject application be granted. We recommend that Best Management Practices (BMPs) designed to prevent contamination through and to the proposed well be adopted. Sample BMPs are as enumerated below:

1) Inspect exposed parts of the well periodically for problems such as: cracked or corroded well casing, broken or missing well cap, damage to protective casing, settling and cracking of surface seals.
2) Slope the area around the well so that surface runoff drains away from the well.
3) Provide a well cap or sanitary seal to prevent unauthorized use of or entry into the well.
4) Provide for sediment removal or well cleaning as necessary.
5) Have the well tested once a year for fecal coliform or other constituents that may be of concern.
6) Keep accurate records of any well maintenance, such as disinfection or sediment removal, that might require use of chemicals in the well.
7) Avoid mixing or using pesticides, fertilizers, herbicides, degreasers, fuels, or other pollutants near the well.
8) Do not locate any type of potentially polluting activity up slope from the well.

"By Water All Things Find Life"
Hana Plantation Well (Well 4702-02)

Should you have any questions, please call our Water Resources and Planning Division at 244-8550.

Sincerely,

Jeffrey K. Eng
Director

emb
c: Engineering Division
JUL-24-2008 14:17 From: DOH/SAFE WATER BRANCH 8085864351 To: 808 587 0219 P.9/13

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96820

June 2, 2008

TO: Honorable Chiyoume L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch

FROM: Laura H. Thielen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Hana Plantation (Well No. 4702-02)

Transmission 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 July 2, 2008. 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 387-0251.

Class: Attachment(s)

RESPONSE: UIC: Condition # 4: 7/17/08 Nu, CH

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 to its use to comply with Hawaii Administrative Rules (HAR), 528-11, Chapter 11, Rules Relating to Potable Water Systems, §11-7-23.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections), and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before installing such use and routinely monitor the water quality thereafter. However, if future planned use is from this source increases to meet the public water system definition, then Director of Health approval is required to implement.

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 preventers by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable pipes 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 potable wastewater contamination is not located near the proposed well site (information attached).

An NPDES permit is requested.

Other relevant DOH rules/regulations, information, or recommendations are attached.

In the event that the location of the proposed well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: Michael Miyahira Phone: 586-4250
Signed: ____________________________ Date: 7/1/08

Jul-24-2008 02:35PM FAX: 8085864351 ID: DLNR CRM PAGE:009 R=94%
CWRM Application Source: Hana Plantation  
(Well No. 4702-02)

Safe Drinking Water Branch Engineering Section

No comments on this application.

Underground Injection Control (UIC)

Well water quality should be initially and periodically tested for its acceptable and intended use, especially if for human consumption. Water quality should not be presumed acceptable and unchanging. Land-based activities around the well and within the well’s recharge area may, over time, have an unacceptable effect on the well’s water quality. Well construction materials and related equipment could also affect water quality.

Questions about UIC may be directed to Chauncey Hew at 586-4258.
Ref: 4702-02.pip

Mr. Wayne Arakaki
Relo Construction, Inc.
P.O. Box 884
Wailuku, HI 96793

Dear Mr. Arakaki:

Pump Installation Permit
Hana Plantation Well (Well No. 4702-02)

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 is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

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

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218.

Sincerely,

Laura H. Thielen
Chairperson

Enclosure
c: Hana Plantation, LLC
USGS
Maui DWS
PUMP INSTALLATION PERMIT
Hana Plantation Well, Well No. 4702-02

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 Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, 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 60 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: July 2, 2008
Expiration Date: July 2, 2010

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 #: 11912 Date: ______________

Printed Name: Wayne Arakaki Firm or Title: Relo Construction, Inc.

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

Attachments
Ref: 4702-02.wcp

Mr. Wayne Arakaki
Relo Construction, Inc.
P.O. Box 884
Wailuku, HI 96793

Dear Mr. Arakaki:

Well Construction Permit

Hana Plantation Well (Well No. 4702-02)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for a permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your information are copies of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities. Also, please contact the Noise Radiation and Indoor Air Quality Branch at 586-4700 to check compliance with construction noise permit requirements for this project.

2. Attached for your information is a copy of the State Department of Land and Natural Resources Land Division's comments related to water lease requirements.

3. Well depth shall not exceed one-fourth the theoretical aquifer thickness without first requesting a variance, with explanation.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218.

Sincerely,

Laura H. Thielen
Chairperson

Enclosures

c: Hana Plantation, LLC (with applicable comments – DOH WWB, CWB, Land Division)
USGS
Maui DWS
WELL CONSTRUCTION PERMIT

Hana Plantation Well, Well No. 4702-02

Note: This permit shall be prominently displayed at the construction site until the work is completed.

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Hana Plantation Well (Well No. 4702-02) at TMK 1-3-002:002, Maui, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.
3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrmlforms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.
4. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.
5. The permittee shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.
6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.
7. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well will not constitute a determination of cumulative water rights.
8. The Well Completion Report Part 1 shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrmlforms.htm for current form).
9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.
10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.
11. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than the date the permit expires.
12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.
13. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.
14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).
15. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: July 2, 2008
Expiration Date: July 2, 2010

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: ___________________________ C-57 License #: ABC-11912 Date: ___________________________
Printed Name: Wayne Arakaki Firm or Title: Relo Construction, Inc.

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

Attachment
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE 5/19/05**

**FROM:** CHARLEY  
**DATE:** 08 July 08  
**TO:**  
<table>
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<td>ANAKALEA, P.</td>
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<td>KUNIMURA, I.</td>
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<td>See Me</td>
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<td>BAUER, G.</td>
<td></td>
<td>NAKAMA, L.</td>
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<td>CHING, F.</td>
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<td>UYENO, D.</td>
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<td>IMATA, R.</td>
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<td>YODA, K.</td>
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<td>YOSHINAGA, M.</td>
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**WELL NUMBER** 4702-02  
**Hana Plantation**

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**
1. COVER LETTER  
2. PERMIT (2x)  
3. SDWB  
4. WWB  
5. CWB  
6. HEER  
7. LD  
8. HP  
9. OCCL  
10. SMA

**TO BE SENT TO APPLICANT**

---

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**
1. COVER LETTER  
2. PERMIT (2x)  
3. SDWB  
4. WWB  
5. CWB  
6. HEER  
7. LD  
8. HP  
9. OCCL  
10. SMA

---

**FOR OFFICE USE ONLY**
### Well Check Program
4/1/04 - Revised for update to Well Standards (February 2004)

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<td>Cement Grout</td>
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**Notes:**
- **Steel**
- **Stainless Steel**
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</tbody>
</table>
June 2, 2008

TO: Morris Atta, Acting Administrator
   Land Division

FROM: Ken C. Kawahara, P.E., Deputy Director
   Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Hana Plantation (Well No. 4702-02) TMK 1-3-002:002

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 July 2, 2008.** 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 587-0251.

**Cl:ss**
Attachment(s)

**RESPONSE:**

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

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

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

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

[ ] No objections

[ ] Other comments: **Original source of private title is Mahele Award 42 issued between 1845 and 1855.**

Contact Person: Gary Martin
Phone: 587-0421

Signed: Gary Martin
Date: JUN 13 2008
TO:  
Honorable Chiyoue L. Fukino, M.D., Director  
Department of Health  

FROM:  
Laura H. Thielen, Chairperson  
Commission on Water Resource Management  

SUBJECT:  
Well Construction/Pump Installation Permit Application  
Hana Plantation (Well No. 4702-02)  

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 July 2, 2008. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Charley Lee of the Commission staff at 587-0231.

Class:  
Attachment(s)

RESPONSE:

[ ] The 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 13 or more service connections) and must receive Director of Health approval under the Hawaai Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Public Water Systems, p. 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 13 service connections) and if the well water is used for drinking, the private owner should not for bacteriological and chemical presence before initiating such use and continue monitoring 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 use 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 pipes with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention device should be visually inspected and tested.

[ ] It does not appear that this well will be used for non-potable 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 DOI rules/regulations, information or recommendations are attached.

[ ] In the event the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections.

Contact Person:  
Dona R. Sato  
Phone: 586-4305

Signed:  
June 12, 2008

Date: 6-12-08

LINDA LINDE
DIRECTOR OF WATER

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 291
HONOLULU, HAWAII 96810

June 2, 2008
The Department of Health, Clean Water Branch (CWB) has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules (HAR), Title 11, Chapter 55, Appendix I, effective October 22, 2007. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewater, and well purge wastewater. This general permit does not cover well pump testing. The applicable Notice of Intent (NOI) forms and filing fee shall be submitted at least 30 calendar days before the start of discharge to the:

Department of Health
Clean Water Branch
919 Ala Moana Boulevard, Room 301
Honolulu, Hawaii 96814-4920

The CWB-NOI Forms are available online at http://www.hawaii.gov/health/environmental/water/cleanwater/forms/genl-index.html. Inquiries may be directed to the CWB at (808) 586-4309 or by fax (808) 586-4352.

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of the storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.
3. For Construction Activities Disturbing One (1) or More Acres of Total Land Area

By HAR, Title 11, Chapter 55, Appendix C, effective October 22, 2007, an NPDES permit or Notice of General Permit Coverage is required before the start of the construction activities that result in the disturbance of one (1) or more acres of total land area, including clearing, grading, and excavation. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NOI (see Comment No. 1, above) shall be submitted 30 calendar days before to the start of construction activities.
June 2, 2008

TO: Honorable Chiyome L. Fukino, M.D., Director Department of Health
Attention: Director’s Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch

FROM: Laura H. Thielen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Hana Plantation (Well No. 4702-02)

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 July 2, 2008. 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 587-0251.

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.

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[ ] 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 located near the proposed well site (information attached).

[ ] An NPDES permit is required.

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

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections

Contact Person: Roland Tejano
Phone: 904-8282

Signed: Lawrence H. Miike, M.D., J.D.
Phone: 904-8282
Date: 06-06-08
### IWS System Information

#### Septic Tank Information
- **Septic Tank Liquid Volume (gallons):** 1000
- **Manufacturer:** Others - Septic Tank
- **6" Inspection Port(s) to grade:** 
- **Disposal Type:** Bed
- **Manhole openings brought to grade:** 
- **Remarks:** New AG office bldg

#### Soil Profile Information
- **Percolation Rate:** 2
- **Min. Soil Absorb (sf/bd):** 0
- **3’ Groundwater Setback:** 

#### Soil Absorption Information
- **Soil Absorption Bed:**
  - **Length:** 40
  - **Width:** 6
  - **3” Soil Replacement:** 

- **Soil Absorption Trenches:**
  - **Length:** 
  - **Width:** 
  - **3” Soil Replacement:** 

- **Seepage Pit:**
  - **Diameter:** 0
  - **Depth:** 0
  - **Lining Type:** 

- **Seepage Pit:**
  - **Access Opening:** 0 inches
  - **Cover Diameter:** 0 feet

### General Search
- **Find TMK/Street**

### Septic Tank Information

- **Manufacturer:** Others - Septic Tank
- **6" Inspection Port(s) to grade:** 
- **Disposal Type:** Bed
- **Manhole openings brought to grade:** 
- **Remarks:** New AG office bldg

### Soil Profile Information
- **Percolation Rate:** 2
- **Min. Soil Absorb (sf/bd):** 0
- **3’ Groundwater Setback:** 

### Soil Absorption Information
- **Soil Absorption Bed:**
  - **Length:** 40
  - **Width:** 6
  - **3” Soil Replacement:** 

- **Soil Absorption Trenches:**
  - **Length:** 
  - **Width:** 
  - **3” Soil Replacement:** 

- **Seepage Pit:**
  - **Diameter:** 0
  - **Depth:** 0
  - **Lining Type:** 

- **Seepage Pit:**
  - **Access Opening:** 0 inches
  - **Cover Diameter:** 0 feet

---

*Added By:* phsieh 2/26/2007 10:52 AM  
*Last Modified:* reajano 3/27/2008 8:05 AM

---

[http://onestop.eha.local/wwb/Permits/PermitDocuments.aspx?permitID=43015c90-7934-461b-9ad4-e9f40cb304b&FileNumber=50968b70=tabP](http://onestop.eha.local/wwb/Permits/PermitDocuments.aspx?permitID=43015c90-7934-461b-9ad4-e9f40cb304b&FileNumber=50968b70=tabP)
June 2, 2008

Mr. Wayne I. Arakaki
Relo Construction, Inc.
P.O. Box 884
Wailuku, HI 96793

Dear Mr. Arakaki:

Well Construction/Pump Installation Permit Application for Well No. 4702-02

We acknowledge receipt, on May 12, 2008, of your completed Well Construction/Pump Installation permit application and filing fee for the Hana Plantation (Well No. 4702-02). You can expect your application to be processed within ninety (90) days from this date.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By this acceptance letter, we are also notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of well construction/pump installation completion letter is issued to the well operator and landowner. Additionally, the permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity. No certificate of pump installation will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. In other words, you may need to remove the pump and install a smaller pump at the Commission’s discretion before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at 587-0251 or toll-free at 984-2400 (Maui), extension 70251.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

CI:ss
Attachment

c: Hana Plantation
June 2, 2008

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Director’s Office
   Tomas See, Chief, Wastewater Branch
   Stuart Yamada, Chief, Safe Drinking Water Branch
   Alec Wong, Chief, Clean Water Branch

FROM: Laura H. Thielen, Chairperson
       Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Hana Plantation (Well No. 4702-02)

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 July 2, 2008. 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 587-0251.

CI: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 II, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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[ ] For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

[ ] An NPDES permit is required.

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

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections

Contact Person: __________________ Phone: __________________
Signed: ___________________ Date: ___________________
June 2, 2008

TO: Morris Atta, Acting Administrator
    Land Division
FROM: Ken C. Kawahara, P.E., Deputy Director
    Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
    Hana Plantation (Well No. 4702-02) TMK 1-3-002:002

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 July 2, 2008. 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 587-0251.

CI:ss
Attachment(s)

RESPONSE:

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

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

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

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

[ ] No objections

[ ] Other comments:

Contact Person: _________________________ Phone: ___________

Signed: ______________________________ Date: ___________
June 2, 2008

Mr. Jeffery K. Eng, Director
Department of Water Supply
County of Maui
200 South High Street
Wailuku, HI 96793

Dear Mr. Eng:

Well Construction/Pump Installation Permit Review
Well Construction/Pump Installation Permit Application
Hana Plantation (Well No. 4702-02)

Transmitted for your review and comment is a copy of the captioned Well
Construction/Pump Installation permit application. If you have any comments on this
application, please submit them by July 2, 2008. If we do not receive comments we will
assume you have no comments.

If you have any questions about this permit application, please contact Charley Ice of the
Commission staff at 587-0251.

Sincerely,

Laura H. ThieLEN
CHAIRPERSON

Laura H. ThieLEN
Chairperson
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** CHARLEY CHING, F. FUJII, N. GOODING, K.  
**TO:** KUNIMURA, I. NAKURA, L. OHYE, M.  
**INIT:** 1 Approval  
**FOR:**  
**PLEASE:** See Me  
**DATE:** 23-May-08  
**SUSPENSE DATE:** 30-May-08  
**PLEASE:**  
**DATE:**  
**ACTION:**  
**SEE:**  
**DATE:**  
**ACTION:**  

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**WELL NUMBER:** 4702-02  
**WELL NAME:** Hana Plantation  
**WUP Number:**  

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

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<td>PERMIT PROCESS TABLE</td>
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<td>USGS MAPS (11 COPIES)</td>
<td>TAX MAPS (11 COPIES)</td>
<td>PARCEL OWNER VERIF.</td>
<td>CONTRACTOR VERIF.</td>
<td>ALL INFO FILLED IN</td>
<td>BACKGROUND CHECK</td>
<td>322 FEE DEPOSIT SLIP</td>
<td>DCCA LICENSE SCREEN PRINTOUT</td>
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**FOLDER:**  
MADE NEW FILE FOLDER, ATTACHED  
FILE FOLDER ALREADY MADE, IN FILE CABINET  

**INCOMPLETE ACTION DATES:**

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**WELL CONSTRUCTION**  
**PUMP INSTALLATION**  

(SMA map printout http://gis.hicentral.com/website/parcelzoningviewer.htm., or INGRID'S SMA/CD MAP)  
(LUC map printout http://luc.state.hi.us/luc_maps.htm., or INGRID'S SMA/CD MAP)
### Well Background Check

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Search criteria: TMK Taxkey 2-1-3-2-2

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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.

Copyright ©5/28/2008 by Hawaii Information Service
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REMARKS: LINE (1) Hana Plantation Well
LINE (2)
LINE (3)
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
No
Check dated 08 May 08

Kathleen

chamber, I think there are
additional copies of 5/8/08 submission.

Replacement of annular space 10 on line of
proposed well section: "30"
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LETTER OF TRANSMITTAL

May 6, 2008

TO: Commission on Water Resource Mgmt.
P.O. Box 621
Honolulu, HI 96809

FROM: Wayne Arakaki

SUBJECT: HANA PLANTATION
TMK: (2) 1-3-002: 002

WE ARE SENDING YOU

Application for Well Construction/Pump Installation Permit (1 original & 10 copies)
Check No. 3641 $25.00 Filing Fee
Topo Map
Property Map
Photos
Well Location Map
Letter dated 12-28-06 from Dept. of Planning
Letter dated 8-15-06 from DLNR
Zoning Confirmation Form
LETTER OF TRANSMITTAL

May 9, 2008

To: Commission on Water Resource Management
    P.O. 621
    Honolulu, HI. 96809

From: Wayne I. Arakaki

Subject: Hana Plantation
         TMK: (2) 1-3-002:002

WE ARE SENDING YOU

Revised Application for Well Construction/Pump Installation (Original & 10 copies)

☐ For Approval. ☐ For Your Review & Comment.
☐ For Your Use. ☐ For Your Request.
☐ For Your Signature and Return. ☐ Per Our Conversation.
☐ For Your Information & File ☒ x See Remarks Below

REMARKS

Please note the insertion of 3 inches on page 2 - Proposed Well Section
**STATE OF HAWAII**
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

**Instructions:** Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. For further information and updates to this application form, visit http://www.hawai.gov/dlnr/cwrm.

---

**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. DEL.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hana Plantation</td>
<td>Maui</td>
<td>(2)</td>
</tr>
</tbody>
</table>

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For dug wells, attach a grading plan with cross section profiles showing existing and final grades

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**WELL OPERATOR’S NAME/COMPANY**

<table>
<thead>
<tr>
<th>Well Operator’s Name/Contact</th>
<th>Landowner’s Name/Company</th>
<th>Landowner’s Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relo Construction, Inc.</td>
<td>Hana Plantation, LLC</td>
<td>Harry Coon</td>
</tr>
<tr>
<td>Wayne I. Arakaki</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Well Operator’s Mailing Address

P.O. Box 884, Wailuku, HI 96793

Well Operator’s Phone

242-5868

Well Operator’s Fax

242-5865

Well Operator’s E-mail

arakakieg@aol

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**PROPOSED WELL CONSTRUCTION**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dug</td>
<td>Install New Pump</td>
</tr>
<tr>
<td></td>
<td>Shaft</td>
<td>Replace Pump</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. Proposed Pumping Rate, gpm (gallons per minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 gpd</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12. Proposed Amount of Withdrawal, gpd (gallons per day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30,000</td>
</tr>
</tbody>
</table>

13. Method of flow measurement

<table>
<thead>
<tr>
<th>Flowmeter</th>
<th>Other (explain)</th>
</tr>
</thead>
</table>

**PROPOSED PUMP INSTALLATION**

14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

Edgardo V. Valera
LS - No. 5076

---

**PROPOSED USE**

15. Municipal (water systems serving greater than 25 individuals or 15 service connections)

16. Domestic Number of units to be served: 7

17. Industrial (describe)

18. Irrigation (describe crop and no. of acres)

19. Military (describe)

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)
   - Well is in Conservation District
     - Required, CDUP # date approved
   - Not Required (attach documentation from OCCL)
   - I have not checked with OCCL about whether or not a CDUP is required. I understand that checking with OCCL prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

22. Special Management Area Permit (SMAP)
   - Not Required, SMA # date approved
   - I have not checked with the county about whether or not an SMA Permit is required. I understand that checking with the County prior to making this application may 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.

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**ADDITIONAL REMARKS**

Additional remarks, explanations, etc. (attach additional sheet if more space is needed)

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**LEGAL NOTICE**

Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge.

Further, the signatories understand that upon permit approval: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of not less than $5000/day.

---

**WELL DRILLER (Must be filed out if application is for Well Construction)**

Relo Construction, Inc.
CT - 11912

Licensee business name
C-87 License No.
Wayne I. Arakaki 5/5/08

Signature
Print
Date

---

**PUMP INSTALLER (Must be filed out if application is for Pump Installation)**

Relo Construction, Inc.
CT-11912

Licensee business name
C-57C-57A License No.
Wayne I. Arakaki 5/5/08

Signature
Print
Date

---

**For Official Use Only:**

May 12 All: 4:4
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Hole Diameter: 12 in.
Elevation at top of casing: 411 ft., msl*
Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)
Ground Elevation: 410 ft., msl*

Cement Grout: 294 ft. (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

Grouting method: 
- Positive displacement
- Other

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

Rock or Gravel Packing:
- Total Depth
- 452 ft.

Material:
- Crushed Basalt
- Rounded Gravel

Estimated Water Level Elevation:
- 27 ft., msl*

Open Casing:
- Perforated Screen
- Total Length:
- Nominal Diameter:
- Wall Thickness:
- Bottom Elevation:
- Note: Neither bentonite nor mud should be used in saturated zone during drilling

Solid Casing:
- Total Length:
- Nominal Diameter:
- Wall Thickness:
- Bottom Elevation:

Open Hole:
- Length:
- Diameter:
- Bottom Elevation:

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports referenced to a benchmark which has been established by a surveyor licensed by the State.

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

Example: Estimated + 2 ft. Water Level Elev. \( \Rightarrow \) Bottom Elevation of Well Limit = \( \frac{\text{Ground Elev.} + \text{Water Level Elev.} + 2}{4} \) = \( \text{-18.5 ft.} \)

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): 
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139
- Stainless Steel: compliant with (check one or more): 
  - 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
- Stainless Steel: compliant with (check one or more): 
  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1527: (check one)
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  - FEP Fluorocarbon Tubing conforming to ASTM D3296

HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.

Please refer to the application form 02/25/2007
Mr. Wayne I. Arakaki  
P. O. Box 884  
Wailuku, Hawaii 96793

Dear Mr. Arakaki:

RE: Special Management Area (SMA) Minor Permit – For Seven Lot Subdivision at Honomaele, Hana, TMK (2) 1-3-002:002 Lot 3, Hana, Maui, Hawaii (SMX 2004/0621) (SM2 2005/0140)

Your request for a one (1) year time extension for the above listed permit is approved. All requirements and conditions of the permit remain unaffected. A filing fee of $110.00, made payable to “County of Maui Director of Finance”, is also required.

If additional clarification is required, please contact Mr. Paul Fasi, Staff Planner, of this office by email at paul.fasi@co.mau.hi.us or 270-7814.

Sincerely,

[Signature]

MICHAEL W. FOLEY
Planning Director

MWF:PFF:sls

c: Clayton I. Yoshida, AICP, Planning Program Administrator
   Aaron H. Shinmoto, PE, Planning Program Administrator (2)
   Development Services Administration (2)
   2005/SM2 Minor Permit File
   General File
   (K:\WP_DOCS\PLANNING\SM2\2005\0140_HanaPlantationextension.wpd)
December 6, 2005

Mr. Wayne I. Arakaki  
P. O. Box 884  
Wailuku, Hawaii  96793

Dear Mr. Arakaki:

RE: Special Management Area (SMA) Minor Permit – For Seven Lot Subdivision at Honomaele, Hana, TMK (2) 1-3-002:002 Lot 3, Hana, Maui, Hawaii (SMX 2004/0621) (SM2 2005/0140)

In response to your application received on September 29, 2004, and in accordance with the Special Management Area Rules for the Maui Planning Commission, Sections 12-202-12 and 12-202-14, a determination has been made relative to the above project that:

1. The project is a development;
2. The project has a valuation not in excess of $125,000.00;
3. The project has no significant adverse environmental or ecological effect, taking into account potential cumulative effects;
4. The project is consistent with the objectives, policies, and Special Management Area guidelines set forth in the Hawaii Revised Statutes (HRS), Chapter 205-A, and is consistent with the County General Plan and Zoning.

In consideration of the above determination, you are hereby granted a Special Management Area Minor Permit approval, subject to the following conditions:

1. That development shall be in accordance with plans submitted on September 29, 2005;
2. That the directives and requirements of the State of Hawaii, Department of Land and Natural Resources, Historic Preservation Division documents LOG No: 2004.3505 and Doc No: 0412CD02,
dated December 2, 2004, be adhered to in its entirety. Furthermore, that Archaeological Site Preservation Plan Site 4964, East Honokowai on TMK (2) 1-3-002:002, submitted as Report 031-090100 by Haun & Associates, dated September 2000, be adhered to in its entirety.

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

Thank you for your cooperation. If additional clarification is required, please contact Mr. Paul Fasi, Staff Planner, of this office at 270-7814 or paul.fasi@co.mau.hi.us

Sincerely,

MICHAEL W. FOLEY
Planning Director

MWF:PF:lar

c: Wayne Boteilho, Deputy Planning Director
    Clayton Yoshida, AICP, Planning Program Administrator
    Aaron Shinmoto, PE, Planning Program Administrator (2)
    Development Services Administration (2)
    DLNR, SHPD-Maui Office
    2005/SM2 Minor Permit File
    General File
    (K:\WP_DOCS\PLANNING\SM2\2005\0140_HanaPlantation\Approval.wpd)
August 15, 2006

Mr. Glenn Ueno
Department of Public Works and Environmental Management
Development Services Administration, County of Maui
250 South High Street
Wailuku, Hawaii 96793

Dear Mr. Ueno:

SUBJECT: Chapter 6E-42 Historic Preservation Review (County/DSA) — Final Plat Review for the Proposed Hana Plantation Subdivision (File NO. 1.272) 

East Honomanue Ahupuaa, Hana District, Island of Maui

TMK (2) 1-3-002:002

The subject action consists of the final plat review for the proposed Hana Plantation Subdivision. We have previously provided comments on the subject action (LOG NO: 2006.2703/DOC NO: 0008MK23). Based on the submitted plat map, we understand the proposed undertaking consists of the subdivision of parcel 02 of TMK 1-3-02 into Lots 3A (28.322 acres), 3B (23.807 acres), 3C (11.902 acres), 3D (16.752 acres), 3E (10.872 acres), 3F (15.693 acres) and 3G (17.502 acres) inclusive and (road widening) Lot 3H.

In 2000, Haun and Associates conducted an archaeological inventory survey of the subject property. During the survey, four historic sites were identified including two complexes of historic sugar cane plantation era railroad features (SIHP 50-50-13-4963 and -4964), an historic road (SIHP-4965), and late prehistoric to early historic burial (SIHP 4966). We have reviewed and accepted the report documenting the findings of the survey (Haun and Henry 2000) and we concurred with the mitigation commitments (LOG NO: 25980/DOC NO: 0007MK15). SIHP -4963 and -4965 need no mitigation, SIHP -4964 will be preserved, and SIHP -4966 is to be preserved in place in perpetuity.

An acceptable preservation plan is in place for SIHP -4964 (LOG NO: 26271/DOC NO 0009MK15). However, due to heavy rains during October/November 2000 in the Hana area, both features A and B of SIHP 4964 were washed away completely. Nothing remains of SIHP -4964 and preservation of this site is no longer applicable (LOG NO: 26872/DOC NO: 0012MK05). The Maui/Lanai Island Burial Council has reviewed and accepted the Burial Treatment Plan for SIHP -4966, which is currently in place.

Our records indicate SIHP -4966 is located in the northeaster portion of the proposed Lot 3A. In our previous review of this action, we requested a re-submittal of the subdivision application which would include the following information.

1) The location of the historic site recommended for preservation should be identified on the subject property.
2) The site should be identified by State Inventory of Historic Properties designation, and
3) The final preservation buffer around the site should also be indicated on the plat map.
We have recently received a revised copy of the plat map which clearly complies with the above three conditions and we understand that a copy has been submitted to the county as well.

We believe that no historic properties will be affected by this undertaking because:

a) intensive cultivation has altered the land
b) residential development/urbanization has altered the land
c) previous grubbing/grading has altered the land
d) an acceptable archaeological assessment or inventory survey found no historic properties
e) this project has gone through the historic review process, and mitigation has been completed
f) other: We have reviewed and accepted the report documenting the findings of the survey (Haun and Henry 2000). The Maui/Lanai Island Burial Council has reviewed and accepted the Burial Treatment Plan for SIHIP 4966, which is currently in place.

In the event that historic resources, including human skeletal remains, are identified during routine construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional disturbance, and the State Historic Preservation Division, Maui Section, needs to be contacted immediately at (808) 243-5169.

Aloha,

Melanie Chinen, Administrator
State Historic Preservation Division

MKkf

c: Bert Rattc, DPWEM, County of Maui, FAX 270-7972
    Michael Foley, Director, Dept. of Planning, FAX 270-7634
    Maui Cultural Resources Commission, Dept. of Planning, 250 S. High Street, Wailuku, HI 96793
    Chair, Maui/Lanai Islands Burial Council
COUNTY OF MAUI
DEPARTMENT OF PLANNING
250 S. High Street
Wailuku, Hawaii 96793
(808) 270-7253 FAX: (808) 270-7634

ZONING, SMA & FLOOD ZONE CONFIRMATION REQUEST FORM

This form must be signed by the Department of Planning, Zoning and Enforcement Division prior to submittal of the subdivision application.

Applicant: Wayne I. Arakaki Telephone: 242-5868

Address: P.O. Box 884, Wailuku, HI. 96793

Subdivision Name: Nabors Subdivision

Tax Map Key Number(s): (2) 1-3-02:02

ZONING INFORMATION

State Land Use: Agriculture Community Plan: Agriculture

County Zoning: Agriculture

SMA INFORMATION

Within SMA: ☐ Yes ☐ No

FLOOD ZONE INFORMATION

Flood Hazard Area * Zone ☐

Base Flood Elevation ——— Mean Sea Level, 1929 National Geodetic Vertical Datum or for Flood Zone AO, Flood depth ——— feet.

Floodway: ☐ Yes ☐ No

FOR COUNTY USE ONLY

Remarks/comments:

☐ Additional information required.
☐ Information submitted is correct.
☐ Correction has been made and initialed.

Reviewed and confirmed by ZAED:

Signature: [Signature] Date: 4/6/06

AARON SHINMOTO
Planning Program Administrator
PROJECT LOCATION

ISLAND OF MAUI
LOCATION MAP
NOT TO SCALE