MEMO and ROUTE SLIP

WCR 2 Check for Well No. 1120-31 (survey to regulation memo)

1. Pump Tests Check (special condition of PIP? Yes/No) Glenn Bauer (initial if yes)
   Yes  No  If no, describe deficiency

   Step-Drawdown Test:
   - followed WCPI Stds
   - analysis attached
   - proposed pump cap o.k.

   Aquifer Pump Test:
   - followed WCPI Stds
   - T & S analysis attached

   Well Interference:
   - estimated steady-state
drawdown at 1-mile radius is _________ ft.
   - analysis attached

   Stream Surface Water Impacted:  No  Yes  If yes, identify most probable stream

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

3. Charley/Lenore/Ryan (initial) take action based on above analysis
4. Roy (initial) check
5. Susan Subia (initial) finalize
6. Linnel (initial) signature
7. Charley/Lenore/Ryan File

open pipe
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI  96754  

DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 621  
HONOLULU, HAWAII  96809  

OCT  22  2001  

Well Completion Report for Well No. 1120-31  

We received your Well Completion Report Part II for the Agua Por Vida (Well No. 1120-31) on September 28, 2001 and acknowledge that it is complete.  

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.  

Sincerely,  

LINNEL T. NISHIOKA  
Deputy Director  

LN:ky  
c.   Russell and Michelle Brand
**State of Hawaii**
**COMMISSION ON WATER RESOURCE MANAGEMENT**
**Department of Land and Natural Resources**

**WELL COMPLETION REPORT - PART II**
**Pump Installation**

**Instructions:** Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 587-0225. For updates to this form or additional information, please visit our website at [http://www.state.hi.us/dlnr/cwrm/](http://www.state.hi.us/dlnr/cwrm/)

<table>
<thead>
<tr>
<th>1. State Well No.:</th>
<th>1120-31</th>
<th>Well Name:</th>
<th>Agua Por Vida</th>
<th>Island:</th>
<th>Kauai</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address:</td>
<td>Koolau Road</td>
<td>Tax Map Key:</td>
<td>4-9-11:13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Pump Installation Company:</td>
<td>OASIS WATER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Date Pump Installed:</td>
<td>6-13-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERMANENT PUMP INFORMATION**

- **Pump Type, Make, Serial No.:** Submersible, Grundfos, 00 618-24-3345
- **Rated Capacity:** 45 gpm at head of: 200 ft.
- **Motor Type, H.P., Voltage, rpm:** Franklin, SHP, 230, 3450
- **Type of flow meter:** Open Pipe which measures in gallons

**Pump type (check one):**
- □ Deep Well Turbine
- □ Rotary
- □ Propeller
- □ Submersible
- □ Rotary-Displacement
- □ Reciprocating
- □ Centrifugal
- □ Rotary-Gear
- □ Impulse

**Method of flow measurement:**
- □ Flowmeter
- □ Weir
- □ Open Pipe
- □ Orifice*
- □ Other*, explain below

*attach schematic

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

**8. Other remarks/comments:**

---

**Pump Installation Contractor (print):** OASIS WATER

**Signature:** [Signature]

**Permittee (print):** [Signature]

**Signature:** [Signature]

**Permittee:** [Signature]

**Date:** 8-24-01

---

WCR2 Form 5/2/00
9. AS-BUILT PUMP SECTION (Please attach as-built if different from diagram provided below)

Bench mark elevation surveyed to nearest 0.01 ft. = 89.43 ft. mean sea level

elevation of top of chase tube = 91.60 ft. mean sea level

Pump intake depth = 152 ft. (referenced to bench mark)

Chase tube depth = 150 ft. (referenced to bench mark)

if airline installed, bottom of airline elevation = _____ ft. mean sea level
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754

Dear Mr. Goldberg:

Pump Installation Permit  
_Aqua Por Vida (Well No. 1120-31)_

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson’s approval, the following special conditions were added and are part of your permit under Permit Condition 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

   The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

   Please sign and have the landowner sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

   **IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

   Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete as of July 17, 2001.

   If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

   Aloha,

   [Signature]

   GILBERT S. COLOMA-AGARAN  
   Chairperson

Enclosure  
c. Russell and Michelle Brand
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 Agua Por Vida (Well No. 1120-31) at Koolau Road, Kauai, TMK 4-9-11:13, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

2. The pump installation permit shall be for installation of a 40 gpm capacity, or less, pump in the well.

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

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

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

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

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

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

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

Date of Approval: July 17, 2001
Expiration Date: July 17, 2003

GILBERT S. COLOMA-AGARAN, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: Michelle Brand
Printed Name: Michelle Brand
Firm or Title: 
Date: 8-20-01

Installer's Signature: Steve Goldberg
Printed Name: Steve Goldberg
Firm or Title: Oasis Water
Date: 8-20-01

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

Attachments

USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Kauai Department of Water Supply
Russell and Michelle Brand
MEMO and ROUTE SLIP

WCR 1 Check for Well No. 1120-31 (survey to regulation memo)

1. **Pump Tests Check** Glenn Bauer (initial)  
   - Step-Drawdown Test:  
     - followed WCPI Stds □ □  
     - analysis attached □ □  
     - proposed pump cap o.k. □ □  
   - Aquifer Pump Test:  
     - followed WCPI Stds □ □  
     - T & S analysis attached □ □  
   - Well Interference:  
     - estimated Steady-State drawdown at 1-mile radius is ______ ft. □ □  
     - analysis attached □ □  
   - Stream Surface Water Impacted: □ □  

2. **Construction Check** Mitch Ohye (initial)  
   - data complete □ □  
   - followed WCPI Stds □ □  
   - well database updated □ □  

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

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**
- COVER LETTER  
- PERMIT (2x)  
- DOH COMMENTS  
- LAND DIV. COMMENTS  
- WCR 2 FORM  
- WUR FORM  

4. Roy (initial) check  
5. Kathy (initial) finalize  
6. Linne (initial) signature  
7. Charley/Lenore/Ryan File

To be sent to applicant

8/3/01 Roy Glenn & Rush, no need to verify W.L.
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754

Dear Mr. Goldberg:

Pump Installation Permit  
_Aqua Por Vida (Well No. 1120-31)_

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the landowner sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete as of July 17, 2001.

If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

_Aloha,_

[Signature]

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosure  
c. Russell and Michelle Brand
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 Agua Por Vida (Well No. 1120-31) at Koolau Road, Kauai, TMK 4-9-11:13, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

2. The pump installation permit shall be for installation of a 40 gpm capacity, or less, pump in the well.

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

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

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

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. The this permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

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

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

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

Date of Approval: July 17, 2001
Expiration Date: July 17, 2003

GILBERT S. COLOMA-AGARAN, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee’s Signature: ___________________________ Date: _________
Printed Name: ___________________________ Firm or Title: ___________________________

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

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

Attachments

- USGS
- Department of Health/ Safe Drinking Water & Wastewater Branch
- Kauai Department of Water Supply
- Russell and Michelle Brand
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>KAUAI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquifer System</td>
<td>LIHUE</td>
</tr>
<tr>
<td>Aquifer Sector</td>
<td>KILAUEA</td>
</tr>
<tr>
<td>Proposed Use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Proposed Withdrawal</td>
<td>2000</td>
</tr>
<tr>
<td>System Sustainable Yield</td>
<td>17</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>91.6 ft., m.s.l.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>89.03 ft., m.s.l.</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>85 ft.</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>0 ft.</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>1.3 in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>295 ft.</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>12.6 ft., m.s.l.</td>
</tr>
<tr>
<td>Calculated Aquifer Thickness</td>
<td>516.6 ft.</td>
</tr>
<tr>
<td>County Water Supply (Y/N ?)</td>
<td>NO</td>
</tr>
</tbody>
</table>

**SECTION 3: CHECKLIST** *(values to check are shaded)*

**Well Depth**

| Theoretical Thickness of Aquifer | 516.6 ft. |
| 1/4 Aquifer Thickness           | 129.2 ft. |
| Depth of Well below Sea Level   | 116 ft.   |

**Well Casing**

| Minimum Wall Thickness          | 0.280 in. |
| County or Non-County Material   | PVC       |
| Minimum Thickness per standards  | non-county|
| Wall Thickness Provided         | 0.000 in. |

**Annular Space**

| Calculated Depth of Grouting    | 53.5 ft. |
| Depth of Grouting provided      | 85 ft.   |
| Thickness of Annular Space      | 3.5 in.  |

Data
Hi Lenore:
In ref. to your questions on the following wells:

1- I have enclosed the permanent pump info for wells 1120-26 & 1120-30
2- I have also enclosed a revised as built well section for well # 1123-01
3- I have enclosed a revised as built well section for well # 1120-32
   The water level was 289' below top of casing, which equals 23' above sea level
4- I have enclosed a revised as built well section for well # 1120-31
   The original measurement was taken for top of casing instead of ground level

Thanks

Steve
New Well Owner
Ricardo Russell
PH. 808-688-3980
FAX 808-688-8352
**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 821, 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 808-586-2233. For updates to this form or additional information, please visit our website at [http://www.state.hi.us/dlnr/cwrm/](http://www.state.hi.us/dlnr/cwrm/)

---

1. **State Well No.:** 1120-31  
   **Well Name:** Agua Por Vida  
   **Island:** Kauai

2. **Address:** Koolau Road  
   **Tax Map Key:** 4-9-11:13

3. **Drilling Company:** Oasis Water Systems Inc.

4. **If drilled, type of Rig:** \( \square \) Rotary \( \square \) Percussion

5. **Date Well Construction (drilled, cased, grouted) completed:** 2-27-01  
   **Attach Driller's Log (7/28/99 DL Form)**

   *In addition to the driller's log, if a geologic log was prepared, please submit with this form.*

6. **Initial water-level encountered** 45 ft. below ground  
   **Date and time of measurement:** 2-22-01 12am

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

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

**Parameters prior to pump test:**

9. **Water-level:** 10.02 ft. above msl  
   **Date and time of measurement:** 3-1-01

10. **Chloride:** 40 ppm  
    **Date and time of measurement:** 3-1-01

11. **Temperature:** 71 °F  
    **Date and time of measurement:** 3-1-01

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

13. **Attach plot plan and surveyor's stamped elevation report.**

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

15. **Remarks:**

---

**Licensed Driller**  
(print) Steve Gaddings  
C-57 Lic. No. 21457  
**Signature**  
Date 6-8-01

**Surveyor**  
(print) See Attached  
L.P.L.S. Lic. No.  
**Signature**  
Date 6-8-01

**Permittee**  
(print)  
**Signature**  
Date 6-8-01
13. AS-BUILT SECTION (Please attach as-built if different from diagram provided below)

Elevation at top of casing: 91.60 ft., msl* (to nearest 0.01 ft.)
Hole Diameter: 13 in.
Minimum of 2' Radius & 4" Thick Concrete Pad
Ground Elevation: 89.03 ft., msl

Bench mark elevation: 843 ft., msl* (Survey to nearest 0.01 ft.)

Cement Grout: 85 ft. (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)
Annular space between hole and casing (min. 3"):
Rock or Gravel Packing:
Material:
- Crushed Basalt
- Rounded Gravel
Water Level Elevation:
- 12.60 ft., msl* (nearest 0.01 ft.)

Solid Casing: (≥ 90% x (Ground Elev. - Water Level Elev.))
- Length: 165 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: sch 40 in.
- Bottom Elevation: 76 ft., msl

Open Casing:
- Perforated
- Screen
- Length: 40 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: sch 40 in.
- Bottom Elevation: 116 ft., msl

Open Hole:
- Length: ____________ ft.
- Diameter: ____________ in.
- Bottom Elevation: ____________ ft., msl

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): o ANSI/AWWA C200 o API Spec. 5L o ASTM A53 o ASTM A139
  - And compliant with (check one or more): o ASTM A242 o Type E o Type S o Grade B or Other
- Stainless Steel: (check one):
  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
  - Schedule 40
  - Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)
  - Schedule 40
  - Schedule 80
- 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): o ANSI/AWWA C200 o API Spec. 5L o ASTM A53 o ASTM A139
  - And compliant with (check one or more): o ASTM A242 o Type E o Type S o Grade B or Other
- Stainless Steel: (check one):
  - ASTM A409 (production wells)
  - ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
  - Schedule 40
  - Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)
  - Schedule 40
  - Schedule 80
- 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

*msl = mean sea level

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.
MEMO and ROUTE SLIP

WCR 1 Check for Well No. 1120-31 (survey to regulation memo)

1. **Pump Tests Check** Glenn Bauer (initial)
   - Step-Drawdown Test:
     - followed WCPI Stds
     - analysis attached
     - proposed pump cap o.k.
   - Aquifer Pump Test:
     - followed WCPI Stds
     - T & S analysis attached
   - Well Interference:
     - estimated Steady-State drawdown at 1-mile radius is ___ ft.
     - analysis attached
   - Stream Surface Water Impacted:
     - If yes, identify most probable stream

2. **Construction Check** Mitch Ohye (initial)
   - data complete
   - followed WCPI Stds
   - well database updated

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

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

4. Roy (initial) check
5. Kathy (initial) finalize
6. Linnel (initial) signature
7. Charley/Lenore/Ryan File

06/21/01

---

3-hr test?

[Date]

[Signature]

not necessary – only WCP.

To be sent to applicant
June 26, 2001

Mr. Steve Goldberg
Oasis Water Systems
P.O. Box 535
Kilauea, HI 96754

Dear Mr. Goldberg:

Well Completion Report for Well No. 1120-31

We have received your Well Completion Report Part I for the Agua Por Vida (Well No. 1120-31). However, matters which must be addressed before we accept your report as complete are as follows:

1. Please explain in writing why the depth of the well is not in compliance with the Hawaii Well Construction and Pump Installation Standards (well depth exceeds one-fourth of the thickness of the basal ground water body.)

2. Your application states the proposed pump capacity is 40-60 gpm. Please provide the pump test data and results to support a pumping capacity greater than 50 gpm, as required under the Hawaii Well Construction and Pump Installation Standards.

Please respond to the above item(s) within sixty (60) days of this letter's date. Failure to do so may result in fines of up to $1000 per day.

If you have any questions, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Sincerely,

[Signature]
LINNEL T. NISHIOKA
Deputy Director

LN:ky
c. Russell and Michelle Brand
### SECTION 1: WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>Island</th>
<th>Proposed Use</th>
<th>Domestic</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAUAI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIHUE</td>
<td>Proposed Withdrawal</td>
<td>2000</td>
</tr>
<tr>
<td>KILAUEA</td>
<td>System Sustainable Yield</td>
<td>17</td>
</tr>
</tbody>
</table>

### SECTION 2: WELL SECTION DATA

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>Solid Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>Material</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>Designation</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>Length</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>Diameter</td>
</tr>
<tr>
<td>Total Depth</td>
<td>Wall Thickness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated Head</th>
<th>Calculated Aquifer Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>411.2 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County Water Supply (Y/N ?)</th>
<th>PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 3: CHECKLIST

<table>
<thead>
<tr>
<th>Well Depth</th>
<th>Solid Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>Material</td>
</tr>
<tr>
<td>1/4 Aquifer Thickness</td>
<td>Designation</td>
</tr>
<tr>
<td>Depth of Well below Sea Level</td>
<td>Length</td>
</tr>
<tr>
<td></td>
<td>Diameter</td>
</tr>
<tr>
<td></td>
<td>Wall Thickness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Casing</th>
<th>Annular Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Wall Thickness</td>
<td>Calculated Depth of Grouting</td>
</tr>
<tr>
<td>Material</td>
<td>55.3 ft.</td>
</tr>
<tr>
<td>County or Non-County</td>
<td>Depth of Grouting provided</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
<td>85 ft.</td>
</tr>
<tr>
<td>Well Thickness Provided</td>
<td>Thickness of Annular Space</td>
</tr>
<tr>
<td></td>
<td>3.5 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minimum Length of Solid Casing</th>
<th>Casing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>90% of ground to top of aquifer</td>
<td>Sch 40</td>
</tr>
<tr>
<td>Length of solid casing Provided</td>
<td>okay</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth of Grouting</th>
<th>Depth of Grouting provided</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>85 ft.</td>
</tr>
</tbody>
</table>

If the cell above reads #N/A, reference HWCPIS Section 2.4 e)

Okay (refer to HWCPIS Section 2.4 e)
# WELL COMPLETION REPORT - PART I

## Well Construction

**Instructions:** Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 587-0225. For updates to this form or additional information, please visit our website at [http://www.state.hi.us/dlnr/cwrm/](http://www.state.hi.us/dlnr/cwrm/).

<table>
<thead>
<tr>
<th>1. State Well No.:</th>
<th>1120-31</th>
<th>Well Name:</th>
<th>Agua Por Vida</th>
<th>Island:</th>
<th>Kauai</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address:</td>
<td>Koolau Road</td>
<td>Tax Map Key:</td>
<td>4-9-11:13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. If drilled, type of Rig:</td>
<td>✔ Rotary</td>
<td>☐ Percussion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Date Well Construction (drilled, cased, grouted) completed:</td>
<td>2-27-01 month/day/year</td>
<td>Attach Driller's Log (7/26/99 DL Form)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Initial water-level encountered:</td>
<td>45 ft. below ground</td>
<td>Date and time of measurement: 2-22-01 12pm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Step-Drawdown Test completed:</td>
<td>☐ No</td>
<td>☑ Yes</td>
<td>Attach Step-Drawdown Test form (12/17/97 SDPTD Form)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Constant Rate Aquifer Test completed:</td>
<td>☑ Yes</td>
<td>Attach Constant Rate Aquifer Test form (12/17/97 CRPTD Form)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Water-level:</td>
<td>10.03 ft. above msl</td>
<td>Date and time of measurement: 3-1-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Chloride:</td>
<td>40 ppm</td>
<td>Date and time of sampling: 3-1-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Temperature:</td>
<td>71 °F</td>
<td>Date and time of measurement: 3-1-01</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

13. Attach plot plan and surveyor's stamped elevation report.

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

15. Remarks:

---

**Licensed Driller (print):** Steve Candey  
**Signature:**  
**C-57 Lic. No.:** 21457  
**Date:** 6-8-01

**Surveyor (print):**  
**Signature:**  
**L.P.L.S. Lic. No.:**  
**Date:** 6-8-01

**Permittee (print):**  
**Signature:**  
**Date:** 6-8-01
13. AS-BUILT WELL SECTION (Please attach as-built if different from diagram provided below)

Bench mark elevation: 89.43 ft., msl*
(Survey to nearest 0.01 ft.)

Cement Grout: 85 ft.
(min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

Annular space between hole and casing (min. 3"): 3 in.

Rock or Gravel Packing:
Material:
0 Crushed Basalt
0 Rounded Gravel

Water Level Elevation: 12.60 ft., msl*

*msl = mean sea level

Solid Casing Material:
Carbon Steel: compliant with (check one or more): 0 ANSI/AWWA C200 0 API Spec. 5L 0 ASTM A55 0 ASTM A139
And compliant with (check one or more): 0 ASTM A242 0 Type E 0 Type S 0 Grade B0 Other
Stainless Steel: (check one): 0 ASTM A409 (production wells) 0 ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): 0 Schedule 40 0 Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): 0 Schedule 40 0 Schedule 80 0 Schedule 120
Thermoset Plastic: (check one)
0 Filament Wound Resin Pipe conforming to ASTM D2996
0 Centrifugally Cast Resin Pipe conforming to ASTM D2997
0 Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
0 Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
0 PTFE Fluorocarbon Tubing conforming to ASTM D3296
0 FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
Carbon Steel: compliant with (check one or more): 0 ANSI/AWWA C200 0 API Spec. 5L 0 ASTM A55 0 ASTM A139
And compliant with (check one or more): 0 ASTM A242 0 Type E 0 Type S 0 Grade B0 Other
Stainless Steel: (check one): 0 ASTM A409 (production wells) 0 ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): 0 Schedule 40 0 Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): 0 Schedule 40 0 Schedule 80 0 Schedule 120
Thermoset Plastic: (check one)
0 Filament Wound Resin Pipe conforming to ASTM D2996
0 Centrifugally Cast Resin Pipe conforming to ASTM D2997
0 Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
0 Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
0 PTFE Fluorocarbon Tubing conforming to ASTM D3296
0 FEP Fluorocarbon Tubing conforming to ASTM D3296
WELL ELEVATION

WELL #1120-31 ("AQUA POR VIDA")

OWNER: RUSSELL BRAND

T.M.K.(4)4-9-11:13

BENCH MARK USED: WELL SITE #1120-27 HAVING AN ELEVATION OF 311.38'
WELL NUMBER: **1120-31**

DRILLER'S LOG *(7/26/99 DL Form)*

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 42</td>
<td>Red Clay <em>Brown Clay</em></td>
<td>2-22-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42 to 67</td>
<td>Boulders &amp; Broken Rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67 to 90</td>
<td>Blue Rock</td>
<td>2-23-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 to 122</td>
<td>Cinder Broken Rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>122 to 141</td>
<td>Red Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>141 to 190</td>
<td>Cinder Fracture Rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>190 to 195</td>
<td>Blue Rock</td>
<td>2-24-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>195 to 202</td>
<td>Fracture Rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>202 to 205</td>
<td>Blue Rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
Oasis Water Systems, Inc.
P.O BOX 535
KILAUEA, HI 96754
Phone: 808-828-6876

Feb. 20 2001 /

State Of Hawaii
Water Commission
ATT: Lenore Nakama
Fax # 808-587-0219

Dear Lenore,

Please be advised that Oasis Water, Inc. License No. C-21457, We will begin work on the Aqua Por Vida Well # 1120-31 & the Nancy Irene Well # 1121-01 in the next few weeks.

[Signature]
2/1/01 - signed date

Sincerely,

Steve Goldberg
Oasis Water inc. C-21457
WELL CONSTRUCTION PERMIT
Aqua Por Vida, Well No. 1120-31

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-188, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Aqua Por Vida (Well No. 1120-31) at Koolau Road, Kualoa, TMK 4-9-11:13, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/87) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission, P.O. Box 821, Honolulu, HI 96811) 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 §13-188-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 8-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to determine record water levels. The permittee, well operator, and/or well owner shall coordinate with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson for approval an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

4. The permittee, well operator, and/or well owner shall incorporate methods 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.

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

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

7. The following shall be submitted to the Chairperson within thirty (30) days after completion of work:
   b. Elevation (referenced to mean sea level or MSL) for all wells.
   c. Aerial photograph showing the exact location of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pump testing records, including time, pumping rate, drawdown, chloride content, and other data.

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

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1987, RWCR 90). If the RWCR 90 are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-188-12(I) prior to any well testing or plugging work.

12. The permittee, his 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 in connection with the granting of the permit.

13. Special conditions in this permit may be amended by the Chairperson by amendment to this permit as and when the Chairperson deems it necessary.

Date of Approval: August 1, 2000
Expiration Date: August 1, 2002

Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $100 per day starting from the date of approval.

Permittee's Signature: [Signature]
Printed Name: [Name]
Firm or Title: [Name]
Driller's Signature: [Signature]
Printed Name: [Name]
Firm or Title: [Name]

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

Attachment:

USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Kualoa Department of Water Supply
Russell Brand
WELL CONSTRUCTION PERMIT

Aqua Por Vida, Well No. 1120-31

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 Aqua Por Vida (Well No. 1120-31) at Koolau Road, Kauai, TMK 4-9-11-13, subject to the Hawaii Water Construction & Pump Installation Standards (12/3/97) which include but are not limited to the following conditions:

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

2. The well construction permit shall be for construction and testing of the well only. A minimum 11/4-inch diameter monitor tube shall be permanently installed in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump test worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

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

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

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

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (inferred to mean sea level, msl) survey by a licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

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

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Water Construction & Pump Installation Standards (January 25, 1997: HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-15 prior to any well sealing or plugging work.

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

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

Date of Approval: August 1, 2000
Expiration Date: August 1, 2002

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of issue.

Permittee's Signature: ____________________________ Date: 1-8-2001
Printed Name: ____________________________ Firm or Title: Owner
Driller's Signature: ____________________________ Date: 1-8-2001
Printed Name: ____________________________ Firm or Title: Oasis Water

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

Attachment:
- USGS Department of Health Safe Drinking Water, Wastewater, and Clean Water Branches
  Kauai Department of Water Supply
  Russell Brand
Oasis Water Systems, Inc.
P.O BOX 535
KILAUEA, HI 96754
Phone: 808-828-6876

Jan.8, 2001

State Of Hawaii
Water Commission
ATT: Lenore Nakama

Fax # 808-587-0219

Dear Sir,

Please be advised that Oasis Water, Inc. License No. C-21457, We will begin work on wells # 1221-05 & 1120-31 in the next few weeks.

Sincerely,

Steve Goldberg
Oasis Water inc. C-21457
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754

Dear Mr. Goldberg:

Well Construction Permit  
_Agua Por Vida (Well No. 1120-31)_

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

**Special Conditions**

1. Attached for your information is a copy of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

2. The wall thickness of well casing shall be selected in accordance with good design practices applied with due consideration to conditions at the site of the well and shall be sufficient to withstand anticipated formation and hydrostatic pressures imposed on the casing during its installation, grouting, well development, and use.

3. All wells (excepting salt-water wells, artesian wells, and temporary monitor wells designed for immediate or short-term monitoring purposes and subsequent abandonment/sealing) shall be constructed with a casing string having a minimum length of solid casing equal to 90 percent of the depth measured from the ground surface to the top of the selected aquifer.

4. To prevent surface contamination, the annular space of all cased non-artesian wells (except monitor wells designed for immediate and short-term monitoring purposes and subsequent abandonment) must be sealed with grout from the ground surface to a minimum depth of 500 feet or 70% of the vertical distance between the ground surface and the top of the aquifer selected for exploration, long-term monitoring, or development, whichever depth is less.

5. Standard Condition 2 is modified to exempt the permittee from the requirements for a pump test (for installed pump capacity of less than 50 gpm).

6. Standard Condition 7.e. is waived.
This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (1/23/97) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:

"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."

If you qualify and wish to take advantage of this ruling, please include a written request to install the permanent pump prior to final pump installation permit issuance when you return to us your signed well construction permit.

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

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

If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Aloha,

TIMOTHY E. JOHNS
Chairperson

Enclosures

c: Russell Brand
WELL CONSTRUCTION PERMIT
Agua Por Vida, Well No. 1120-31

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 Agua Por Vida (Well No. 1120-31) at Koolau Road, Kauai, TMK 4-9-11 :13, subject to the following conditions:

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

2. The well construction permit shall be for construction and testing of the well only. A minimum 11/4-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

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

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

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

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

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

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

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

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

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

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

Date of Approval: August 1, 2000
Expiration Date: August 1, 2002

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

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

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

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

Attachment
C: USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
Russell Brand
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>KAUAI</th>
<th>Aquifer System</th>
<th>LIHUE</th>
<th>Aquifer Sector</th>
<th>ANAHOLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Use</td>
<td></td>
<td>Proposed Withdrawal</td>
<td></td>
<td>System Sustainable Yield</td>
<td>#VALUE!</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>ft., m.s.l.</th>
<th>Solid Casing</th>
<th>Material</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>ft., m.s.l.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cement Grout</td>
<td>ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Packing</td>
<td>ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Depth</td>
<td>ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated Head</td>
<td>ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculated Aquifer Thickness</td>
<td>0 ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County Water Supply (Y/N ?)</td>
<td>NO</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 3: CHECKLIST** *(values to check are shaded)*

**Well Depth**
- Theoretical Thickness of Aquifer: 0 ft.
- 1/4 Aquifer Thickness: 0 ft.
- Depth of Well below Sea Level: -120 ft. okay *(refer to HWCPIS Section 2.2)*

**Well Casing**
- Minimum Wall Thickness per standards: 0.280 in.
- Wall Thickness Provided: 0.000 in. too small *(refer to HWCPIS Section 2.4 c)*
- Length of solid casing provided: 0 ft. too shallow *(refer to HWCPIS Section 2.4 d)*
- Casing Material: Sch 40 okay *(refer to HWCPIS Section 2.4 e)*
- Annular Space: If the cell above reads #N/A, reference HWCPIS
- Depth of Grouting: 84 ft.
- Depth of Grouting provided: 0 ft. not enough *(refer to HWCPIS Section 2.6 c)*
- Thickness of Annular Space: 3.75 in. okay *(refer to HWCPIS Section 2.6 d)*
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch

FROM: Timothy E. Johns, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction Permit Application  
Agua Por Vida Well (Well No. 1120-31)

Transmitted for your review and comment is a copy of the captioned well application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by August 1, 2000.

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 Lenore Nakama of the Commission staff at 587-0218.

LN:ss
Attachment(s)

RESPONSE:

[] This well qualifies as a source which will serve as a source of potable water to a public water system (serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

[] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[] For the applicant's information, a source of possible wastewater contamination [is [is not located near the proposed well site (information attached).

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

No comments/objections

Contact Person: Lani M. Kajiwara  
Phone: 586-4254

Signed: Lani M. Kajiwara  
Date: 7-28-2000
TO: Dean Y. Uchida, Administrator
   Land Division
FROM: Linnel T. Nishioka, Deputy Director
   Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
           Agua Por Vida Well (Well No. 1120-31)

Transmitted for your review and comment is a copy of the captioned well application which includes a request for a pump installation permit.

We would appreciate your comments on the captioned with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by August 1, 2000.

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 Lenore Nakama of the Commission staff at 587-0218.

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 title is Royal Patent Grant 535 issued in 1850.

Contact Person: Gary Martin Phone: 587-0421
Signed: Gary Martin Date: JUL 28
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch

FROM: Timothy E. Johns, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction Permit Application  
Agua Por Vida Well (Well No. 1120-31)

Transmitted for your review and comment is a copy of the captioned well application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by August 1, 2000.

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 Lenore Nakama of the Commission staff at 587-0218.

LN:ss  
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] is not located near the proposed well site (information attached).

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

[ ] No comments/objections

Contact Person: Mervin J. Hamano  
Phone: 586-4258

Signed: Theoni S. Hamano  
Date: July 26, 2000
Mr. Steve Goldberg  
Oasis Water Systems  
P.O. Box 535  
Kilauea, HI 96754  

Dear Mr. Goldberg:  

Well Construction / Pump Installation Permit Application for Well No. 1120-31  

We acknowledge receipt, on July 11, 20000, of your completed well construction / pump installation permit application for the Agua Por Vida Well (Well No. 1120-31). You can expect your application to be processed within ninety (90) days from this date.  

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

If you have any questions about your permit application, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.  

Sincerely,  

[Signature]  
LINNEL T. NISHIOKA  
Deputy Director  

LN:ss
TO:  Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
        William Wong, Safe Drinking Water Branch  

FROM:  Timothy E. Johns, Chairperson  
Commission on Water Resource Management  

SUBJECT:  Well Construction Permit Application  
Agua Por Vida Well (Well No. 1120-31)  

Transmitted for your review and comment is a copy of the captioned well application.  

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department.  Please respond by returning this cover memo form by August 1, 2000.

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 Lenore Nakama of the Commission staff at 587-0218.

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (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.

[1] 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.

[1] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[1] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[1] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

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

[ ] No comments/objections

Contact Person: __________________________________ Phone: __________________________

Signed: __________________________________ Date: __________________________
TO: Dean Y. Uchida, Administrator
   Land Division
FROM: Linnel T. Nishioka, Deputy Director
   Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
   Agua Por Vida Well (Well No. 1120-31)

Transmitted for your review and comment is a copy of the captioned well application
which includes a request for a pump installation permit.

We would appreciate your comments on the captioned with regard to the programs,
plans, and objectives specific to your division. Please respond by returning this cover memo
form by August 1, 2000.

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 Lenore Nakama of the Commission staff at 587-0218.

LN: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: __________________________
<table>
<thead>
<tr>
<th>F YR</th>
<th>APP</th>
<th>D</th>
<th>SRC/OBJ</th>
<th>COSTCTR</th>
<th>PROJECT</th>
<th>PH</th>
<th>ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td>25.00</td>
<td>TNWRE INC.</td>
</tr>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td>25.00</td>
<td>MARRY NORRIS</td>
</tr>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td>25.00</td>
<td>RUSSELL BRAND</td>
</tr>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td>25.00</td>
<td>WAYNE ARAKAKI ENGINEER</td>
</tr>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td>25.00</td>
<td>MENEMUNE WATER CO., LTD.</td>
</tr>
<tr>
<td>S</td>
<td>01</td>
<td>326</td>
<td>C 1026</td>
<td>0752</td>
<td>--------</td>
<td>----</td>
<td></td>
<td></td>
<td>$150.00</td>
</tr>
</tbody>
</table>

**REMARKS:**

LINE (1)  Well No. 5751-01 (WCPA/PTPA)
LINE (2)  Well No. 1123-06 (WCPA/PTPA)
LINE (3)  Well No. 1120-31 (WCPA/PTPA)
LINE (4)  Well No. 4822-01 (WCPA/PTPA)

(5)  Well No. 2358-35, 36. 46 (WUPA)
(6)  Well No. 2358-44 (WUPA)
RUSSELL S. BRAND
MICHELLE BRAND
P.O. BOX 295
KAPAA, WAILUA, HAWAII 96766

Date 6-15-2000

Pay to the order of OLNR

$25.00

[Signature]

[Bank Information]

[Check Number] 0380 101 5 0389 33 29 9998

[Routing Number] 265000010
APPLICATION FOR PERMIT

Well Construction and/or Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 3 copies and a non-refundable filing fee of $26.00 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.state.hi.us/dlnr/c.wrm.

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

1. (a) □ WELL OWNER: Russell Brand Contact Person: Russell Brand
   Mailing Address: P.O. Box 286, Kapa‘a, H. 96746
   Fax: (808) 828-1935
   E-mail: Hacjion@Hawaiian.net
   (b) □ LAND OWNER: Russell & Michelle Brand Contact Person: Russell Brand
   Mailing Address: P.O. Box 286, Kapa‘a, H. 96746
   Fax: (808) 828-1935
   E-mail: Hacjion@Hawaiian.net
   (c) □ CONTRACTOR: Oasis Water Contact Person: Steve Goldberg
   Mailing Address: P.O. Box 335, Kapa‘a, H. 96746
   Fax: 808-828-6876
   E-mail: 

   Lic #: 4257 (circle one: C-57, C-57a, or A)

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

2. WELL NAME: Agua Por Vida Island: Kauai
   Address: Koloa Road
   Tax Map Key: Zone: 4 Sec: 9 Tax Plt: 11 Parcel: 13
   Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1:24,000) and include the name of the quad map, and (b) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK: (check all that apply)
   □ Construct New Well
   □ Install New Pump*
   □ Modify Existing Well*
   □ Modify Pump*
   □ Abandon/Seal*
   □ Other (explain): State Well No.: (if unknown, please call Commission at 587-0225)

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

5. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 40 gallons per minute
   Pump Type: (Check one): □ Deep Well Turbine
   □ Submersible
   □ Centrifugal
   □ Rotary
   □ Reciprocating
   □ Propeller
   □ Rotary-Displacement
   □ Rotary-Gear
   □ Impulse

6. PROPOSED USE: (check all that apply)
   □ Domestic (including hotels, stores, etc.)
   □ Industrial
   □ Municipal (including irrigation and industrial system)
   □ Irrigation (individual, noncommercial water system)
   □ Military
   □ No. of Dwelling Units: 1
   □ No. of Acres: 11
   □ Other (explain):

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 50,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   □ Flowmeter □ Open-pipe □ Weir □ Orifice □ Other(explain)

OTHER IMPORTANT INFORMATION:

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

9. REMARKS, EXPLANATIONS:

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion or abandonment report within 60 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: Russell Brand
Signature: Russell Brand Date: 6-1-2000

Landowner: Russell Brand
Signature: Russell Brand Date: 6-1-2000

Contractor: Oasis Water System
Signature: Steve Goldberg Date: 6-15-2000

For official use only:

Latitude ___ Aquifer System No. 1150-4
Longitude ___ State Well No. 1150-4

* completed 7/1/00 per HACR-0046 C. Gouldgy
Minimum of 2 ft Radius & Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

Solid Casing: \( \frac{2}{3} \times (\text{Ground Elev.} - \text{Water Level Elev.}) \)
- Total Length: \( \frac{1}{6} \) ft.
- Nominal Diameter: \( 64 \) in.
- Wall Thickness: \( S C H \) 40 in.
- Bottom Elevation: \( \frac{1}{4} \) ft., msl

Open Casing:
- Perforated Screen
- Total Length: 60 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: SCH 40 in.
- Bottom Elevation: \( \frac{1}{4} \) ft., msl

Note: Neither bentonite nor mud should be used in saturated zone during drilling.

---

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200, API Spec. 5L, ASTM A53, ASTM A139
- And compliant with (check one or more): ASTM A242, Type E, Type S, Grade B, Other
- Stainless Steel: (check one): ASTM A409 (production wells), ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM 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 D5157
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200, API Spec. 5L, ASTM A53, ASTM A139
- And compliant with (check one or more): ASTM A242, Type E, Type S, Grade B, Other
- Stainless Steel: (check one): ASTM A409 (production wells), ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM 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 D5157
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

---

* 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/Wall Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

Bottom Elevation of Well Limit = \( \frac{1}{2} \times (\text{Water Elevation} - \frac{1}{4} \times \text{Aquifer Thickness}) \)

Example: Estimated + 2 ft. Water Level Elev. \( \rightarrow \) Bottom Elevation of Well Limit = \( \left( \frac{1}{2} \times (2 - \frac{1}{4} \times 20) \right) = -18.5 \) ft.
WARRANTY DEED

THIS DEED, made this day of MAY 16, 2000, by MOLOAA VALLEY ONE, LLC, a Hawaii limited liability company, hereinafter called the "Grantor", in favor of RUSSELL SCOTT BRAND and MICHELLE LEIGH BRAND, husband and wife, whose address is P. O. Box 286, Kapaa, Hawaii 96746, hereinafter called the "Grantee", --

WITNESSETH THAT:

The Grantor, in consideration of the sum of TEN DOLLARS ($10.00) and other valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged by the Grantor, does hereby grant, bargain, sell and convey unto the Grantee, in fee simple, all of the property more particularly described in Exhibit "A" attached hereto and made a part hereof;

And the reversions, remainders, rents, issues and profits thereof and all of the estate, right, title and interest of the Grantor, both at law and in equity, therein and thereto;

TO HAVE AND TO HOLD the same, together with all buildings, improvements, rights, easements, privileges and appurtenances thereon and thereunto belonging or appertaining or held and enjoyed therewith, unto the Grantee according to the tenancy hereinafter set forth, forever.

The Grantor does hereby covenant with the Grantee that the Grantor is seised of the property herein described in fee simple; that said property is free and clear of and from all liens and encumbrances, except for the lien of real property taxes not yet by law required to be paid, and except as may herein specifically be set forth; that the Grantor has good right to sell and convey said property, as aforesaid; and, that the Grantor will WARRANT AND DEFEND the same unto the Grantee against the lawful claims and demands of all persons, except as aforesaid.