Opana Point 1 & 2
(5617-02 & 03)

New Location
(20 Mar 03)

Jeff Naftalin
(503) 872-4578
LOT 5-A-3-A-2 OF THE
OPANAPA POINT LARGE-LOT SUBDIVISION
LAND COURT APPLICATION 960, SECTION "A"

Being all of Land Commission Award 6234 to Koleamoku and
Land Commission Award 4753-B to Kuha and a portion of Royal Patent 7030,
Land Commission Award 2897, Part 7 to William Harbottle

SITUATED AT OPANAPA AND ULUMALU, HAMAKUALOA, MAUl, HAWAII

Prepared for:
Ron Serle
1879 Olinda Road
Makawao, Hawaii 96768

Scale: 1 Inch = 100 Feet
Date: September 11, 2002

Prepared for: This plat was prepared from a survey
on the ground performed by me or
under my supervision.

Ron Serle
1879 Olinda Road
Makawao, Hawaii 96768

SCALE 1 INCH = 100 FEET

LOT 5-A-3-A-1

LOT 5-A-3-A-2
10.246 ACRES

EASEMENT "F"
(6 FT. WIDE)
(0.278 ACRE)
FOR PEDESTRIAN SHORELINE
ACCESS PURPOSES
IN FAVOR OF A NON-PROFIT FISHING CLUB

EXCLUSION 3
(MAP 5)

TMK (2) 2-B-003 PORTION 046
EML (2) Company, Ltd
(Owner)

TMK (2) 2-B-003 PORTION 046

LICENSED PROFESSIONAL LAND SURVEYOR
No. 5983-LS

LICENSED PROFESSIONAL LAND SURVEYOR
Certificate No. 5983-LS
License Expiration Date 4/30/04

BRUCE R. LEE
Makawao, Hawaii 96768

SCALE IN FEET

0 50 100 150 200 250 300 350 400 450 500

Lot 5-A-3-A-3

TMK (2) 2-B-003 PORTION 046
<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo</th>
<th>Tnr</th>
<th>Property Address</th>
<th>Owner/Lessee</th>
<th>Beds</th>
<th>Baths</th>
<th>Land area</th>
<th>Living area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-2-08-3-49</td>
<td>Peahi</td>
<td>F</td>
<td>ULUMALU</td>
<td>PEAHI FARMS I LLC</td>
<td>2</td>
<td>2</td>
<td>260.10</td>
<td></td>
</tr>
</tbody>
</table>

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

Sold and not yet recorded on Hawaii Info. Serv.'s TMK report to Ron Serle and Jeffrey Kalfutan (esq.)
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>HAWAII</th>
<th>Proposed Use</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquifer System</td>
<td>KOHALA</td>
<td>Proposed Withdrawal</td>
<td>54000</td>
</tr>
<tr>
<td>Aquifer Sector</td>
<td>MAHUUKONA</td>
<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>427 ft., m.s.l.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>425 ft., m.s.l.</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>300 ft.</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>0 ft.</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>13 in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>445 ft.</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>2 ft., m.s.l.</td>
</tr>
<tr>
<td>Calculated Aquifer Thickness</td>
<td>62 ft.</td>
</tr>
<tr>
<td>County Water Supply (Y/N ?)</td>
<td>NO</td>
</tr>
</tbody>
</table>

**Solid Casing**

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>ASTM A139</td>
</tr>
<tr>
<td>Length</td>
<td>420 ft.</td>
</tr>
<tr>
<td>Diameter</td>
<td>6 in.</td>
</tr>
<tr>
<td>Wall Thickness</td>
<td>0.25 in.</td>
</tr>
</tbody>
</table>

**Casing**

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>ASTM A139</td>
</tr>
<tr>
<td>Length</td>
<td>25 ft.</td>
</tr>
<tr>
<td>Diameter</td>
<td>6 in.</td>
</tr>
<tr>
<td>Wall Thickness</td>
<td>0.25 in.</td>
</tr>
<tr>
<td>Openings</td>
<td>sq.in./l.f.</td>
</tr>
</tbody>
</table>

**Open Hole**

<table>
<thead>
<tr>
<th>Length</th>
<th>0 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>0 in.</td>
</tr>
</tbody>
</table>

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

**Well Depth**

- Theoretical Thickness of Aquifer: 82 ft.
- 1/4 Aquifer Thickness: 20.5 ft.
- Depth of Well below Sea Level: 20 ft. okay (refer to HWCPIS Section 2.2)

**Well Casing**

- Minimum Wall Thickness Material: Steel
- County or Non-County: non-county
- Minimum Thickness per standards: #N/A in.
- Wall Thickness Provided: 0.250 in. #N/A (refer to HWCPIS Section 2.4 c)
- Minimum Length of Solid Casing: 380.7 ft. (disregard this if this is a non-county well)
- 90% of ground to top of aquifer: 420 ft. okay (refer to HWCPIS Section 2.4 d)
- Length of solid casing Provided: ASTM A139 okay (refer to HWCPIS Section 2.4 e)
- Casing Material: ASTM A139 okay (refer to HWCPIS Section 2.4 e)

**Annular Space**

- Calculated Depth of Grouting: 296.1 ft.
- Depth of Grouting provided: 300 ft. okay (refer to HWCPIS Section 2.6 c)
- Thickness of Annular Space: 3.5 in. okay (refer to HWCPIS Section 2.6 d)
MEMO To File

Illegal Well Drilling

Mike Robertson returned my call today, and commented at length on two matters

1) Illegal driller of at least three known wells where Mike has done work for others. This is the driller we have identified at Don Wilburn, who says he brought a rig from New Mexico and was “practicing” on his property in Honopou.

Mike says the other three wells were a) down Hanawana Road (no TMK or other specific ID; b) Ho’olawa (same lack of specific info); and c) the Donald O’Conner well in Manawai (TMK 2-4-3:44).

Mike is concerned and frustrated because well owners for whom Mike has done work are now at risk for contamination; and because the guy on the Big Island got fined big-time and this other guy is going free. [I mentioned that we’re not done yet, and that getting the relevant info to move forward has been frustrating. Wilburn was to have submitted WCRs for the well we identified, by 30 Sep 05, and they have not arrived.] Mike notes that improper construction standards means that three separate neighborhoods have been potentially contaminated.

2) The current “test pumping” to remove pesticides from Peahi Farms wells. Mike drilled three wells for Ron Serle (Opana Pt. 1 & 2, Stream Resources #3 – 5617-02, 03, & 04) and these two wells for Rick Holt (Holt #1 & 2 – 5517-05, 5617-05).

Before Mike was able to get started on the Holt Wells, the well owner was trying to get a test well done to draw a water sample for his investors' information [news articles place the purchase price of this development at $3.5 M.] As Mike was unavailable, the hydrologist Tom Nance was able to line up Tom Pica to do the work. The work was done without a permit [no WCPIA was ever recorded] described by Mike as ~100 feet from the Holt Well #1 (Well No. 55 but halfway down, around 200 feet. Pica got his gear jammed in a goose (not illegal), but Mike believes some of the gear is still down and not properly sealed. Bulldozing has since eliminated trace of Pica had done the Serle well at a hard rock layer above the basal lens had perched water with potential contamination. The water had been tested – that’s how he knows. After grouting off that section, he continued drilling to basal water, and pumped for a period of time to clear the pesticides from the well bore and immediate vicinity. The subsequent testing showed the water to be clear of contamination.

Mike told Holt that it would be desirable to pump the wells continuously for a week to purge contaminants from the groundwater. He is concerned that the Pica well continues to conduct contaminants to the basal lens. [We are told that Holt’s current pumping is actually the
Mr. Ron Serle  
Opana Point Partners, LLC  
1879 Olinda Road  
Makawao, HI 96768

Dear Mr. Serle:

Well Completion Report for Well No. 5617-02

We received your Well Completion Report Part II for the Opana Point 1 (Well No. 5617-02) on May 5, 2004 and acknowledge that it is complete. Other than the continuing water use reporting requirement, the permitting requirements for this well are complete.

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

Sincerely,

EDWIN T. SAKODA  
Acting Deputy Director

CC: Wailani Drilling, Inc.
MEMO and ROUTE SLIP

WCR 2 Check for Well No. 5617-02 (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 ☐
   analysis attached ☐
   
   Stream Surface Water Impacted:
   
   ☐ ☐ If yes, identify most probable stream
   
   Geology Code for Well Index: TK ☐

   2. **Pump Installation Check** Mitch Ohye, (initial)
      
      Yes ☐ No ☐ If no, describe deficiency ☐
      
      data complete ☐
      followed Special Cond & Elev. ☐
      well database updated ☐

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

   4. Roy, (initial) check

   5. Subia, (initial) finalize

   6. Ernie, (initial) signature

   7. Charley Lenore/Ryan File
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.hawaii.gov/dlnr/cwrm/

1. State Well No.: 5617-02  
   Well Name: Opana Point Well #1  
   Island: Maui

2. Address: Lower Ulumalu Road, Makawao District  
   Tax Map Key: 2-8-3:49

3. Pump Installation Company: [Company Name]

4. Date Pump Installed: 3/5/04

5. PERMANENT PUMP INFORMATION
   Pump Type, Make, Serial No.: Grundfos 4085-15 A1180015-10321USG29
   Rated Capacity: 40 gpm at head of: 304 ft.
   Motor Type, H.P., Voltage, rpm: Sub 5 HP 230V 3450
   Type of flow meter: 
   Model Number: recordall
   Serial Number: 6391a1-057

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

6. Method of flow measurement:
   ○ Flowmeter  Manufacturer: Badger  Make: recordall  Size: 2"
   ○ Weir  ○ Open Pipe  ○ Orifice*  ○ Other*, explain below
   *attach schematic

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

8. Attach photograph of well and concrete pad clearly showing benchmark on concrete pad.

9. Other remarks/comments:

Pump Installation Contractor (print) Michael Roberts  
License No. 20115

Signature: [Signature]  
Date: 5/1/04

Permittee (print) Opana Point Partnership

Signature: [Signature]  
Date: 5/1/04
Bench mark elevation surveyed to nearest 0.01 ft. = 204.43 ft. mean sea level

Elevation of top of chase tube = 304.43 ft. mean sea level

Pump intake depth = 2.10 ft. (referenced to bench mark)

Chase tube depth = 2.10 ft. (referenced to bench mark)

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

Model 40S

FLOW RANGE: 24 - 55 GPM
OUTLET SIZE: 2" NPT
NOMINAL DIA. 4"

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD. 1-10 HP/3450 RPM.
6" MOTOR STANDARD. 15-20 HP/3450 RPM.
* Also available with 6" motor.

Performance conforms to ISO 9906 Annex A @ 5 ft. min. submergence.
March 15, 2004

Ref: 5617-02.pip

Mr. Ron Serle
Opana Point Partners, LLC
1879 Olinda Road
Makawao, HI 96768

Dear Mr. Serle:

Pump Installation Permit
Opana Point Well #1 (Well No. 5617-02)

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

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

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

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

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

Sincerely,

W. Fay Hardy

Peter T. Young
Chairperson

Enclosure

c: Wailani Drilling, Inc.
PUMP INSTALLATION PERMIT
Opana Point Well #1, Well No. 5617- -

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 Opana Point Well #1 (Well No. 5617-02) at Lower Ulumalu Road, Makawao, Maui, TMK 2-8-3-49, 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 rated capacity at 304 ft. of head, or less, pump in the well.
3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly or 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. 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, owners, 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: February 15, 2004
Expiration Date: February 15, 2004

[Signature] PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I 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.
PUMP INSTALLATION PERMIT
Opuna Point Well #1, Well No. 5617-6

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 Opuna Point Well #1 (Well No. 5617-02) at Lower Ulumalu Road, Makawao, Maui, TMK 2-8-3-49, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

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

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

Date of Approval: February 15, 2004
Expiration Date: February 15, 2004

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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

Permittee’s Signature: [Signature]
Date: 3/18/04

Printed Name: [Printed Name]
Firm or Title: [Firm or Title]

Installer’s Signature: [Signature]
Date: 3/20/04

Printed Name: [Printed Name]
Firm or Title: [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
  Maui Department of Water Supply
  Waidani Drilling, Inc.
Shouldn't this be the completion/acceptance issue date? 

Draft or Final? I copied and made our read 5617-02
MEMO and ROUTE SLIP

WCR 1 Check for Well No. 5617-02 (survey to regulation memo)

1. **Pump Tests Check**
   - Glenn Bauer (initial)
   - **Yes**  **No**  **If no. describe deficiency**
     - Step-Drawdown Test:
       - followed WCPI Stds
       - analysis attached
       - proposed pump cap o.k.
       - checkmark: < 70 yrs
     - Aquifer Pump Test:
       - followed WCPI Stds
       - T & S analysis attached
       - cannot mix with data presented
     - Well Interference:
       - estimated Steady-State
       - drawdown at 1-mile radius is ________ ft.
       - analysis attached
     - Stream Surface Water Impacted:
       - checkmark: could be Tho if deep enough
       - Geology Code for Well Index: TH

2. **Construction Check**
   - Mitch Ohye (initial)
   - **Yes**  **No**  **If no. describe deficiency**
     - data complete
     - followed Special Cond & elevations
     - well database updated
     - Latitude
       - NAD27
       - NAD83

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

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
- not necessary – only WCP.
  - To be sent to applicant
  - COVER LETTER
  - PERMIT (2x)
  - DOH COMMENTS
  - LAND DIV. COMMENTS
  - WCR 2 FORM
  - WUR FORM
  - USGS MAP
  - PARCEL CHECK
  - DATABASE PRINTOUT
  - GLENN'S WORKSHEET
  - DATABASE PRINTOUT

4. Roy (initial) check
5. Subia (initial) finalize
6. Dean (initial) signature
7. **Charley/Lenore/Ryan** File
State of Hawaii

COMMISSION ON WATER RESOURCE MANAGEMENT

Department of Land and Natural Resources

WELL COMPLETION REPORT - PART I

Well Construction

1. State Well No.: 5617-02 Well Name: Opana Point 1 Island: Maui

2. Address: Lower Uuikamala Road, Opana, Makawao Tax Map Key: 2-3-3:69


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

5. Date Well Construction (drilled, cased, grouted) completed: 7/26/03 Fill out attached Driller's Log

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

6. Was the subject well cored? ☐ Yes ☑ No

7. Initial water-level encountered 210 ft. below ground Date and time of measurement: 7/21/03 month/day/year

8. Step-Drawdown Test completed? ☑ Yes ☐ No

Attach Step-Drawdown Test form (12/17/97 SDPTD Form)

9. Constant Rate Aquifer Test completed? ☑ Yes ☐ No

Attach Constant Rate Aquifer Test form (12/17/97 CRPTD Form)

Parameters prior to pump test:

10. Water-level: 5.78 ft. above msl Date and time of measurement: 7/27/03 month/day/year

11. Chloride: 140 ppm Date and time of sampling: month/day/year

12. Temperature: 68.5 °F Date and time of measurement: month/day/year

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

14. Fill in attached surveyor's report.

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

16. The proposed manufacturer's rated pump capacity is 40 gpm at a head of 304 ft. (Attach pump specifications and rating curve)

17. Remarks:

Licensed Driller (print) Michael Robertson C-57 Lic. No. 20115

Signature Date 7/21/03

Permittee (print) Shaun Sege

Signature Date 7/27/03
13. AS-BUILT WELL SECTION  (Please attach as-built if different from diagram provided below)

Elevation at top of casing: 20 ft., msl*  (to nearest 0.01 ft.)

Minimum of 2' Radius & 4" Thick Concrete Pad

Total Depth: 210 ft.

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

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

Solid Casing Material:

Open Hole: N/A

HOLE DIA: 6" ft., msl

N/A ft.

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.

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
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   □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
   □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
   □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
   □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
Carbon Steel: compliant with (check one or more) □ ANSI/AWWA C200  □ API Spec. 5L  □ ASTM A53  □ ASTM A139
   And compliant with (check one or more):  □ ASTM A242  □ Type E  □ Type S  □ Grade B  □ Other
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   □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
   □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
   □ FEP Fluorocarbon Tubing conforming to ASTM D3296
Charley,

Enclosed are the following items:

____ WCR I for Stream Resources Well 3 # 5617-04 complete.
____ WCR I for Stream Resources Well 1 # 5617-02 complete.
____ PIP for Ronald Sandate WELL # 5424-10 signed
____ WCR I with corrected survey for Namale Castellini Well # 5514-08

Please note; Ed Valera still hasn’t completed the official survey form, but this is the correct data.

Bruce Lee has to go back out to survey Opana Serle Well #2 before I can send the WCR I

Please confirm receipt by checking off the enclosed items and faxing a copy of this memo to me at 808/ ______. Hard copies to follow in the mail.

Thank you.

Sincerely, Michael Robertson
TO: Mike Robertson
FROM: Charley Icko

Date: 05 December 03

1. Here are two maps showing the three "Scale Wells" (Opala Pt. 142, 5617-02-03 and Stream Resources Well 3 (5617-04))

2. Thanks for answering the question about Patricia Braggi's pumps (Waihe'e Manuka/Living Waters #1, 5530-05).
   You should proceed when ready.

5617-02 Opuna Puna 1
?!
We got WRC on 1/30/04?
Fax?

Return Fax: Return Post: P.O.Box 621, Honolulu 96809
## STANT-RATE PUMP TEST DATA

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<td>Time of day:</td>
<td>7:15 am</td>
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1 Chloride sampling required
2 Use same ending drawdown figure as start for recovery
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<th>Pumping rate Q (gpm)</th>
<th>EC (μhos)</th>
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Data in this table is for:
- Pumped Well
- Observation Well

END TEST Date: 7/27/93 Time of day: 4:10 pm

ADDITIONAL REMARKS:

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

Signature: [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.
Performance Curves 40 GPM Model 40S

FLOWS RANGE: 24 - 55 GPM OUTLET SIZE: 2" NPT NOMINAL DIA. 4"

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD 1-10 HP/3450 RPM.
6" MOTOR STANDARD 15-20 HP/3450 RPM.
* Also available with 6" motor.

Performance conforms to ISO 9906 Annex A @ 5 ft. min. submergence.
Well Geographic Location
Latitude: 20° 56' 24.36"  
Longitude: 156° 17' 11.38"

Well Elevation
Benchmark Elevation: 204.40
(0.01 ft. above msl)

Concrete Pad

Triangulation Station
KULOLI 2

Surveyor's stamp and signature

BRUCE R. LEE, LLPN
LS-5983, exp. 4/30/04

Tax Map Key: (2) 2-8-03:049  Project No. 00-4808
<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
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<td>Red Orange Clay</td>
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<td>Clay &amp; Rock</td>
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Remarks:
To: Charley Ice  
For: Water Resource Commission  
Re: Start Work Notice

Dear Charley:

This is to provide written notice for starting work on the following well:

Opana Point Well #1, Well No. 5617-02

Owners also want to take advantage of the declaratory ruling #DEC-ADM98-G5 because proposed pumps are rated less than 70 g.p.m.

Please fax receipt form to me to confirm.

Thank You,

Mike Robertson

Certified By The National Groundwater Association
WELL CONSTRUCTION PERMIT

Opuna Point Well #1, Well No. 5817-02

Note: This permit shall be prominently displayed at this 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 Opuna Point Well #1 (Well No. 5817-02) at Lower Ukulua Road, Opuna, Makawao, Maui, TMK 2-8-3:49, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), P.O. Box 521, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1.5-inch diameter monitor tube shall be permanently installed, in a manner accessible to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall report the water levels to the Chairperson in accordance with the Standards (Form permitting 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 monitorized 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 basaltic ground water, the depth of the well will not exceed one-fourth (1/4) of the theoretical thickness of the basaltic 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 subsoil marine sediments such as argillite, basalt, or concentrations of shells or charcoal are encountered during the testing of the well, the permittee, well operator, and/or well owner shall stop work and contact the Commission'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 cumulative water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   a. Well completion report (Form 2, Well Construction Report).
   b. Elevation (as related 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 shall be incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWPSR is not followed and no 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 sixty (60) days after the date of approval or if work is suspended or abandoned without authorization, unless otherwise specified. The work permit will be cancelled within two (2) years from the date of 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 thirty (30) days 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 §13-168-120 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, claims, or damages for property damage, personal injury, or death arising out of any act or omission of the applicant, assignee, or employee. contractors, and agents under this permit or relating to or connected with the granting of the permit.

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

Date of Approval: January 27, 2003
Expiration Date: January 27, 2005

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

I have read the condition and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite of any use of water from this well

Permittee's Signature: Michael Robertson
Printed Name: Michael Robertson
Firm or Title: Waterfani Drilling Inc.
Date: 5/20/03

Driller's Signature: Michael Robertson
C-57 License #: 20115
Date: 5/20/03

Printed Name: Michael Robertson
Firm or Title: Waian Drilling Inc.

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's Safe Drinking Water, Westwater, and Crystal Water Branches
Moa Department of Water Supply
Tom Hansen Water Infrastructure Engineering
March 27, 2003

Mr. Ron Serle
Opana Point Partners, LLC
1879 Olinda Road
Makawao, HI 96768

Dear Mr. Serle:

Revised Location for Opana Point Well #1, (Well No. 5617-02)

Thank you for your letter dated March 14, 2003 requesting to revise the proposed location of the captioned well. By this letter, we acknowledge your request and will revise our files accordingly. Our understanding is that the proposed well will still be used for individual domestic and irrigation purposes.

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

Sincerely,

[Signature]

ERNEST Y.W. LAU
Deputy Director
Mr. Ernest Y.W. Lau  
Deputy Director  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii  
96809

Dear Mr. Lau:

Revised Location for Opana Point Well No. 1,  
State No. 5617-02, in Hamakualoa, Makawao, Maui

By this letter, we respectfully request that the location of Opana Point Well No. 1 be moved approximately 3000 feet makai of its originally permitted location. The well would still be within the same tax map key (TMK 2-8-003:049) with the same landowner. The attached USGS, TMK, and Land Court maps show the original and new locations. The ground elevation at the new site is approximately 200 feet (msl), considerably lower than the 425-foot elevation of the original site.

We look forward to your response. Thank you for your consideration of this matter.

Sincerely,

[Signature]

Tom Nance

Attachment

cc: Ron Serle
should be O.K. They haven't drilled one to abandon-nyo? Right?
February 20, 2003

Ref: 5617-02.wcp

Mr. Ron Serle
Opana Point Partners, LLC
1879 Olinda Road
Makawao, HI 96768

Dear Mr. Serle:

Well Construction Permit
Opana Point Well #1 (Well No. 5617-02)

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 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.

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

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

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

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

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

Sincerely,

[Signature]

Peter T. Young
Chairperson

Enclosures

c: Tom Nance Water Resource Engineering
WELL CONSTRUCTION PERMIT
Opana Point Well #1, Well No. 5617-02

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 construction and testing of Opana Point Well #1 (Well No. 5617-02) at Lower Ululama Road, Opana, Makawao, Maui, TMK 2-8-3:49, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-166-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1½-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 basalt ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basalt ground water unless otherwise authorized by the Chairperson.

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 is 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: January 27, 2003
Expiration Date: January 27, 2005

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

Permittee's Signature: ___________________________ Date: ___________________________

Printed Name: ___________________________ Firm or Title: ___________________________

Driller's Signature: ___________________________ C-57 License # : ___________________________ Date: ___________________________

Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachment:
C. USGS Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
   Maui Department of Water Supply
   Tom Nance Water Resource Engineering
February 13, 2003

MEMORANDUM

TO: Dean A. Nakano, Acting Deputy Director
Commission on Water Resource Management

FROM: P. Holly McEldowney, Acting Administrator
State Historic Preservation Division

SUBJECT: Chapter 6E-42 Historic Preservation Review – Well Construction/Pump Installation Permit Application 'Opana Point Wells 1 & 2 (Well No. 5617-02 & 03)
'Opana Ahupua'a, Makawao District, Island of Maui
TMK: (2) 2-8-003:049

Thank you for the opportunity to review and comment on the Well Construction/Pump Installation Permit Application 'Opana Point Wells 1 & 2 (Well No. 5617-02 & 03), which was received by our staff January 15, 2003.

In 1997, GANDA conducted an archaeological inventory survey which included the subject property. During this survey 18 historic properties were identified. Subsequently, Haun and Associates conducted a field inspection of the same area, in order to relocate the previously identified sites. We have reviewed the addendum report (Haun and Henry 2001), which documents the findings of the field inspection, and found it acceptable, attached to the original work by Eble et al. 1997 (SHPD DOC NO.: 0108MK05/LOG NO.: 28135). Subsequently fourteen of these historic properties were recommended for preservation. We have reviewed and accepted a Preservation Plan (Buffum and Spear 2002) for these sites (SHPD DOC NO.: 0204MK03/LOG NO.: 29635).

Therefore we believe the proposed undertaking will have "no adverse effect" on significant historic sites provided the following conditions are attached to the Building Permit Application, should it be approved.

1) The conditions specified in the accepted Preservation Plan shall be followed.
2) The State Historic Preservation Division (Dr. Melissa Kirkendall, at [redacted]) shall be notified that interim protection measures are in place, and that Division shall then verify in writing to the County that these measures are in place. This must be done prior to the commencement of any ground altering activities.

If you have any questions, please call Cathleen Dagher at [redacted]

CD:jen
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE**

**FROM:** CHARLEY

**DATE:** 14 Feb

**SUSPENSE DATE:**

**TO:**

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| SAKODA, E. | | SUBIA, S. | | | |
| SWANSON, S. | | UYENO, D. | | | |
| YODA, K. | | | | | |

**WELL NUMBER:** 5617-02

**WELL NAME:** Opave Pt. 1

**WELL CONSTRUCTION**

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CWB
6. HEER
7. LD
8. HP
9. PUMP TEST
10. WCR I FORM
11. WELL CHECK PRINTOUT

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

**PUMP INSTALLATION**

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CWB
6. HEER
7. LD
8. HP
9. WCR II FORM
10. WUR FORM
11. GLENN'S WORKSHEET

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

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* Handwritten notes:*

- County has not responded.
- SM2Y well already done.
- This could change but don't see how/what would hold us up.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

January 9, 2003

TO: Dede Mamiya, Administrator
Land Division
FROM: Dean A. Nakano, Acting Deputy Director
Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
Opana Point Wells 1 & 2 (Well No. 9617-02 & 03)

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
January 22, 2003. If we do not receive comments or a request for additional review time by this date, we
will assume you have no comments.

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

CFl: 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. [redacted].

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

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

[ ] No objections

[ ] Other comments: Original source of private title is Grant 2974 – issued prior to Statehood in 1959.

Contact Person: Gary Martin
Phone: 587-0423

Signed: [redacted]
Date: JAN 16 2003
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) [redacted] or by fax at [redacted].

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health

Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Eric T. Hirano, Acting Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Opalua Point Wells 1 & 2 (Well No. 5617-02 & 03)

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 January 22, 2003. 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.

CF: 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 use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §§11-30-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 80 days per year or 16 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 the 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 ([ ] ss ) is not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

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

[ ] No comments/objections

Contact Person: Alec Wong
Phone: 586-14309

Signed: Alec Wong
Date: 1/29/03
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 521
HONOLULU, HAWAII 96809

January 9, 2003

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawecka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Eric T. Hirano, Acting Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Opena Point Wells 1 & 2 (Well No. 5617-02 & 03)

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 January 22, 2003. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

RESPONSE:

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

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

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

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

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

An NPDES permit is required.

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

No comments/objections.

Contact Person: Bill Wong
Signed: Bill Wong
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health.
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawakoe, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Ken T. Hirano, Acting Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Opana Point Wells 1 & 2 (Well No. 5617-02 & 03)

January 9, 2003

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 January 22, 2003. 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 [Contact Information]

CFlss
Attachment(s)

RESPONSE:

1. This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive 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, §11-20-20.

2. This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacterial 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.

3. If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by 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.

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

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

6. An NPDES permit is required.

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

xx No comments/objections

Contact Person: Dr. Keith Kawaoka
Phone: 586-4249
Date: 1/9/02

Signed: [Signature]
Fax to: Commission on Water Resources Mgt.
January 15, 2003

Mr. Ronald Serle
1879 Olinda Road
Makawao, Hawaii 96768

Dear Mr. Serle:

RE: Project Name: Serle Partners Well
TMK: 2-8-003:006
I. D. No.: SMX 2002/0648

Please be advised that we are currently unable to review the above-referenced application at this time or any current or future applications on TMK: 2-8-003:006 and adjacent parcels. Due to the multiple permit reviews being done on this and adjacent parcels of which Serle Partners are involved with, we ask that the applicant provide a full build out proposal so that we may assess the cumulative impacts of this and related projects as a whole and not piecemeal. In addition, the project is located within the Agriculturally zoned land which requires Agriculture as a primary use prior to permitting any accessory uses. Please provide substantiation of agricultural use/activity on the land.

Thank you for your cooperation. If additional clarification is required, please contact Ms. Maria N. Isotov at [redacted]

Sincerely,

Michael W. Foley
Planning Director
Mr. Ronald Serle  
January 15, 2003  
Page 2

MWF:MNITlm  
c: Wayne A. Boteilho, Deputy Planning Director  
Clayton I. Yoshida, AICP, Planning Program Administrator  
María Isotov, Staff Planner  
Charlie Ice, DLNR - Commission on Water Resource Management  
DSA (2Copies)  
03CZM File  
General File  
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STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. BOX 3378
HONOLULU, HAWAII 96801

Wastewater Branch
919 Ala Moana Blvd. Room 309
Honolulu, Hawaii 96814-4920

STATE MESSENGER DELIVERY

Date: Jan 17, 2003

To: Commission on Water Resource Management
Department of Land & Natural Resources
State of Hawaii

Attn: Charlie Ie

From: Lori Kajiwara
Planning & Design Section
Phone: [redacted] direct line
Fax: [redacted]
Email: lkajiwara@eha.health.state.hi.us

Subject: Well Construction/Pump Installation Permit/Water Use Permit for
Well No. 5617-02 403
Opena point wells

Please find enclosed the application of the above subject project.

STATE MESSENGER DELIVERY
TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Dennis Tulang, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Eric T. Hirano, Acting Chairperson
   Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
   Opena Point Wells 1 & 2 (Well No. 9617-02 & 03)

January 9, 2003

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 January 22, 2003. 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 [Contact Information].

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (as defined in section 12-29 of Hawaii Administrative Rules (HAR), Title 12, Chapter 29, Rules Relating to Potable Water Systems) prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

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

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

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

[ ] An NPDES permit is required.

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

No comments/objections.

Contact Person: Lori N. Kajiwara
Phone: 586-4259
Date: 1-17-2003

Signed: Lori N. Kajiwara

P: 5:30
RECEIVED
1-22-03
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**REMARKS:**
LINE (1) Well Nos. 5617-02 & 03
LINE (2) 
LINE (3) 
LINE (4) 

---

**Ronald F. Serle**
SHERRY SERLE
1879 OLINDA RD
MAKAWAO, HAWAII 96768

**PAY TO THE ORDER OF**
DEPARTMENT OF LAND AND NATURAL RESOURCES $ 50.00

First Hawaiian Bank
PUKALANI BRANCH
67 MAKAWAO AVENUE
PUKALANI, HAWAII 96768

---

**2361**
56-101/1213
11/25/02
Facsimile Request and Cover Sheet
Wastewater Branch
919 Ala Moana Blvd. Room 309
Honolulu, Hawaii 96814-4920
(808) Fax (808)

Date: Jan 15, 2003

From: Lori Kajiwara, Planning/Design Section
Email: lori.kajiwara@hawaii.gov

Subject: Request for Information

To: Roland Tejano, Maui District Health Office

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

(2) 2, 0, 3. 49 Opana Point Well No. 1
Hamakualoa, Makawao

Please check all that apply:
[ ] septic tank [ ] aerobic unit
[ ] cesspool

File # if applicable: __________ # of Bedrooms __________
Record Date: __________________________
Submit Date: __________________________
Plan Approval Date: __________________________
Inspection Date: __________________________
System "Approval for Use" Date: __________________________
Other: __________________________________________

Please fax site/plot plan if available. Thank you.
**Mission on Water Resource Management**

**Route Slip for New Applications**

**FROM:** CHARLEY

**DATE:** 11-Dec-92

**TO:**
- BAUER, G.
- CHING, F.
- FUJII, N.
- HARDY, R.
- HIGA, D.
- MIRANO, E.
- ICE, C.
- IMATA, R.
- JINNAI, R.
- KUNIMURA, I.
- LUM, A.
- NAKANO, D.
- NAOKANO, D.
- OHYE, M.
- SAKODA, E.
- SUBIA, S.
- SWANSON, S.
- UYENO, D.
- YODA, K.

**WELL NUMBER:** 5647-02-93

**WELL NAME:** Opana Point 1 & 2

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

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

**FOLDER:** MADE NEW FILE FOLDER, ATTACHED

**INCOMPLETE ACTION DATES:**

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**PLEASE:**
- See Me
- Review & Comment
- Take Action
- Type Draft acknow letter
- Type Final, label new file folder
- File
- Xerox copies

---

*Note: Handwritten comments on the page.*
January 9, 2003

Mr. Ron Serle
Opana Point Partners, LLC
1879 Olinda Road
Makawao, HI 96768

Dear Mr. Serle:

Well Construction/Pump Installation Permit Application
Opana Point Wells 1 & 2 (Well Nos. 5617-02 & 03)

We acknowledge receipt, on December 17, 2002, of your completed Well Construction/Pump Installation permit application and filing fee for the Opana Point Wells 1 & 2 (Well No. 5617-02 & 03). 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 Charley Ice of the Commission staff at ☀️ or toll-free at ☀️ (Maui), extension 70251.

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

CFI:ss

c: Tom Nance Water Resource Engineering
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96801

January 9, 2003

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Eric T. Hirano, Acting Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Opuna Point Wells 1 & 2 (Well No. 5617-02 & 03)

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 January 22, 2003. 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 [phone number].

CFI: 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 not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

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

[ ] No comments/objections

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
January 9, 2003

TO: Dede Mamiya, Administrator
    Land Division

FROM: Dean A. Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
          Opana Point Wells 1 & 2 (Well No. 6617-02 & 03)

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 January 22, 2003. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

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

CFI: 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. ____________________________.

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
TO: Holly McEldowney, Acting Administrator
Historic Preservation
FROM: Dean A. Nakano, Acting Deputy Director
Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
Opana Point Wells 1 & 2 (Well No. 5617-02 & 03)

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 January 22, 2003. If we do not receive comments or a request for additional review
time by this date, we will assume you have no comments.

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

CF: ss
Attachment(s)

RESPONSE:
[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts,
burials or concentrations of shells or charcoal.

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ______________
Ms. Linnel T. Nishioka - Deputy Director
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii  96809

Dear Ms. Nishioka:

Well Construction and Pump Installation Permit
Applications for Opana Point Well Nos. 1 and 2
Hamakualoa, Makawao, Maui, Hawaii

On behalf of Opana Point Partners, LLC, I am pleased to submit the attached Well Construction and Pump Installation Permit Application and filing fee for Opana Point Well Nos. 1 and 2 located in Hamakualoa, Makawao, Maui on TMK 2-B-003:049.

If you have any questions or need additional information, please call Ron Serle or me. Thank you for your attention to this matter.

Sincerely,

Tom Nance

Attachments

cc:   Ron Serle
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

11-21-02
02-40

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 5 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 643-1377.

For further information and updates to this application form, visit http://www.state.hi.us/dlnr/wrmn.

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

1. (a) WELL OWNER: Opana Point Partners, LLC
   Contact Person: Ron Serle
   Phone: 
   Mailing Address: 1879 Olinda Road
   Maui, Maui, Hawaii 96788
   Fax: 
   E-mail: 

   (b) LAND OWNER: Opana Point Partners, LLC
   Contact Person: Ron Serle
   Phone: 608-573-8500
   Mailing Address: 1879 Olinda Road
   Maui, Maui, Hawaii 96788
   Fax: 
   E-mail: 

   (c) CONTRACTOR: To Be Competitively Bid
   Contact Person: 
   Phone: 
   Mailing Address: 
   Fax: 
   E-mail: 

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

2. WELL NAME: Opana Point Well No. 1
   Island: Maui
   Address Hamakualoa, Makawao
   Tax Map Key: 2-8-003-049

   Zone: Sec: Part: Parcel:

   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK: (check all that apply)
   • Construct New Well
   • Modify Existing Well
   • Abandon/Seal
   • Not Yet Assigned
      *State Well No.: (if unknown, please call Commission at: )

4. CONSTRUCTION:
   D Drilled
   D Dug
   D Shaft
   D Tunnel

   Is this well part of a battery of wells? DYes •No (Please describe)

5. PROPOSED PUMPING RATE:
   gallons per minute

6. PROPOSED USE: (check all that apply)
   • Municipal (including hotels, stores, etc.)
   • Domestic (individual, noncommercial water system)
   • Irrigation (crop)
   • Industrial
   • Military
   • No. of Acres:
   • Other (explain):

   Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections? DYes •No

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 25,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      • Flowmeter
      • Open-pipe
      • Weir
      • Orifice
      • Other (explain):

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP): To find out if a CDUP is necessary, call DLNR Land Division at: 
      D Not Required
      D Required, date approved
   Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OEQC at: 
      D Not Required
      D Required, if required, date published in OEQC bulletin
   Special Management Area Permit (SMAP): To determine if an SMAP is necessary, call OEQC at: 
      D Not Required
      D Required, if required, date approved

9. REMARKS, EXPLANATIONS:

   (if more space is needed, please attach additional sheet)

NOTE: Signing below indicates the signatories understand and swear that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 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; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $100/day.

Well Owner
Opana Point Partners, LLC
(print legibly)
Signature
Date

Landowner
Opana Point Partners, LLC
(print legibly)
Signature
Date

Contractor
Opana Point Partners, LLC
(print legibly)
Signature
Date

For official use only
Latitude
Longitude
Aquifer System No.
State Well No.

WCP/RPA Form 02/21/01
10. PROPOSED WELL SECTION

(Please attach schematic if different from diagram provided below)

Elevation at top of casing: 427 ft., msl*

Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

Ground Elevation: 425 ft., msl*

Solid Casing: 90% (Ground Elev.-Water Level Elev.)

Total Length: 420 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.25 in.
Bottom Elevation: -5 ft., msl*

Open Casing: Perforated Screen

Total Length: 25 ft.
Nominal Diameter: 6 in.
Wall Thickness: 0.25 in.
Bottom Elevation: -20 ft., msl*

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

Open Hole:
Length: 0 ft.
Diameter: ________ in.
Bottom Elevation: ________ ft., msl*

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 D3093 □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517 □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950 □ PTFE Fluorocarbon Tubing conforming to ASTM D3296 □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM 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
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* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

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

Bottom Elevation of Well Limit = (Water Elevation + 41 x Water Level Elev.) x 4

Example: Estimated + 2 ft. Water Level Elev. Bottom Elevation of Well Limit = (2 + 41 x 2) / 4 = 1.5 ft.
Mr. Ronald Serle  
1829 Olinda Road  
Makawao, Hawaii 96768  

Dear Mr. Serle:

RE: Special Management Area (SMA) Minor Permit -- Drilling and Construction of Two Potable Water Wells Near Opana Point at Maui Tax Map Key No. 2-8-003:049, Hamakualoa, Makawao, Island of Maui, Hawaii (SMX 2002/0450) (SM2 2002/0139)

In response to your application received on August 30, 2002, 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  
   (Valuation: $114,000.00)

3. The project has no significant adverse environmental or ecological effect, taking into account potential cumulative effects; and

4. The project is consistent with the objectives, policies, and Special Management Area guidelines set forth in the Hawaii Revised Statutes (HRS), Chapter 205A, 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 construction shall be in accordance with plans submitted on August 30, 2002.

2. That a well construction permit and a pump installation permit be
obtained by the State Commission on Water Resource Management, if required, prior to the initiation of construction.

3. That a building permit be obtained prior to the initiation of construction, if required.

4. That appropriate measures shall be taken to mitigate the short-term impact of the project relative to soil erosion from wind, rain, and noise levels.

5. That construction improvements shall be initiated by March 31, 2003, and shall be completed within one (1) year of said initiation.

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

Thank you for your cooperation. If additional clarification is required, please contact Ms. Robyn L. Loudermilk, Staff Planner, of this office at [Contact Information]

Very truly yours,

[Signature]

JOHN E. MIN
Planning Director

JEM:RLL:tlm

c: Clayton I. Yoshida, AICP, Deputy Planning Director
   Aaron Shinmoto, Planning Program Administrator (2)
   John D. Nakagawa, Office of Planning
   LUCA (2)
   Robyn L. Loudermilk, Staff Planner
   02/CZM File
   02/SM2 Minor Permit File
   General File
K:\WP_DOCS\PLANNING\smx\2002\smx20020450OpanaPointWells\approval.wpd
OPANA POINT LARGE-LOT SUBDIVISION
LAND COURT
STATE OF HAWAII
LAND COURT APPLICATION 960
SECTION "A"

SUBDIVISION OF LOT 5-A-3-A AS SHOWN ON MAP 28
AND DESIGNATION OF EASEMENTS "D", "E" AND "F"

Being all of Land Commission Award 6234 to Koleamoku and
Land Commission Award 4753-B to Kuha and a portion of Royal Patent 71
Land Commission Award 2937, Part 7 to William Harbottle

SITUATED AT OPANA AND ULMALU, HAMAKUALOA, MAUI, HAWAII

1498 LOWER MAIN STREET,
SUITE D,
WAILUKU, MAUI, HAWAII 96793

DATE: SEPTEMBER 7, 2000
REVISED: FEBRUARY 9, 2001
REVISED: OCTOBER 2, 2001
REVISED: MARCH 20, 2002
REVISED: APRIL 3, 2002
REVISED: JUNE 20, 2002

NEWCOMER-LEE
LAND SURVEYORS, INC.

BY: BRUCE R. LEE
Licensed Professional Land
Surveyor Certificate No. 5983-L5
License Expiration Date 4/30/04
Land Court Certificate No. 221

OWNER: OPANA POINT PARTNERS, LLC

OWNERS TRANSFER CERTIFICATE OF TITLE: 495,189

AUTHORIZED AND APPROVED BY THE ORDER OF THE JUDGE
OF THE LAND COURT DATED __________

REGISTRAR OF THE LAND COURT

TEST

Azimuths and coordinates shown hereon refer to Government Survey
Triangulation Station "KAPUAI", designated thus "A".

Owners of adjoining land parcels taken from Real Property Mapping
Branch.

New lot corners marked with 3/4-inch pipe with yellow plastic caps
marked "RLS 2715, RLS 5983", unless otherwise noted.

Pursuant to Maui County Code Section 3.44.015(C), the County of
Maui is not responsible for any park, roadway, easement (including
b not limited to drainage, sewer, access, reclaimed water, or
avigation easement), or any other interest in real property shown on
this map or shown on these plans, unless the Maui County Council
has accepted its dedication by a resolution approved by a majority of
Council's members at a regular or special meeting of the Maui County
Council.

Existing Easement "A" affecting Lot 5-A-3-A for access and utility purposes
in favor of Lot 5-A-3-A and Exclusion 3 (Map 5) to be re-designated to
service Lot 5-A-3-A-1, Lot 5-A-3-A-2, Exclusion 3 (Map 5) and
TMK(2) 2-6-003: 006 (1.122 Acres)

Existing Easement "B" affecting Lot 5-A-3-A for access and utility purposes
in favor of Lot 5-A-3-A-1, Exclusion 3 (Map 5) to be re-designated to service

Existing Easement "C" affecting Lot 5-A-3-A for access purposes in favor
of Lot 5-A-3-A-1, Exclusion 3 (Map 5). (1.122 Acres)

D. ACKNOWLEDGMENT OF EASEMENTS
16311 at Page 139; re: East Maui
Alexander & Baldwin, Inc. ackno
that East Maui Irrigation Compa
have no objection to the design
and that the use of Easement
will not interfere with the prop
on Transfer Certificate of Title

E. SUBDIVISION AGREEMENT (LARGE
Liberal 16405 at Page 466, COUNTY OF MAUI
F. PRIVATE WATER STRE
Liber 16714, COUNTY OF MAUI
G. TRANSMER

FAX: Transmitting 2 pages, including this one; call [redacted] with any reception problems.

TO: Edna Menezes, Ellen Krafft

FROM: [redacted]

Transmitting a TMK map with features marked and wells shown:

- Summit Trade Wells 1 & 2 (5617-01, 5517-03)
- Opuna Point Wells 1 & 2 (5617-02, 4403)