## CHECKLIST

<table>
<thead>
<tr>
<th>Type of Permit:</th>
<th>❑ Well Construction ❑ Pump Installation ❑ Water Use Required</th>
</tr>
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<tbody>
<tr>
<td><strong>Well Name</strong></td>
<td>Moloa - Montgomery</td>
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<tr>
<td><strong>Applicant</strong></td>
<td>Jeff Montgomery</td>
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<tr>
<td><strong>Consultant</strong></td>
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<tr>
<td><strong>Island</strong></td>
<td>Kauai</td>
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<tr>
<td><strong>No.</strong></td>
<td>1620 - 24</td>
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<td><strong>Landowner</strong></td>
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<td><strong>TMK</strong></td>
<td>4 - 9 - 13 : 27</td>
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| **Appl Recd**   | 10 Aug 75                                                   |
| **+90 days**    | 8 Nov 75                                                    |
| **Mapped/#**    | 28 Aug 75                                                   |
| **Logcomp**     | 18 Jan 96                                                   |
| **Logbk**       | 18 Jan 96                                                   |
| **Acknowlgmt**  | Sep 1 1 1995                                                |
| **Ch 343 pau**  | N/A                                                         |
| **Fee Depos**   | Sep 1 1 1995                                                |
| **Tent CWRM Action** | 28 Sep 75                                      |

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<th><strong>Copies Sent for Review</strong></th>
<th><strong>Sent</strong></th>
<th><strong>Comments Recd</strong></th>
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<td>Com: NHA</td>
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| **Bulletin**                | 28 Aug 75 |                   |
| **to Agenda**               |           |                   |
| **Submittal**               |           |                   |
| **to Appl**                 |           |                   |
| **CWRM _Appr _Deny**        |           |                   |
| **Permit/Notice to Appl**   |           |                   |
AFTER-THE-FACT PUMP INSTALLATION PERMIT

Moloaa-Montgomery Well, Well No. 1120-24

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 Moloaa-Montgomery Well (Well No. 1120-24) at Moloaa, Kauai, TMK 4-8-13:27, 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 12 gpm capacity, or less, pump in the well.

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

4. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any existing 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 is notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee 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 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 is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

8. The permit may be revoked if work is not started within six (6) months after the date of approval of work within 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 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 must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

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

Date of Approval: January 20, 1998
Expiration Date: January 20, 2000

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

Permittee's Signature: JESS P. MONTGOMERY Date: 1/28/98
Firm or Title: OWNER

Installer's Signature: SELF License #:_ Date:_
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 Branches
Kauai Department of Water Supply
After-the-Fact Pump Installation Permit
Moloaa-Montgomery (Well No. 1120-24)

Enclosed are two (2) originals of your approved After-the-Fact Pump Installation Permit for the captioned well(s) which authorizes 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 10:

**Special Conditions**

1. **(NONE)**

We have received your Well Completion Report, which shows that a permanent pump was installed on September 1, 1996. Although Condition 2 of your well construction permit required you to submit pumping tests results as a basis for installing a 12 gpm capacity, or less, in the well, we are now waiving the requirement for a pumping test and have accepted your Well Completion Report - Parts I and II. However, if you plan to modify your well or install a larger capacity pump, a new application must be made and approved by the Chairperson. If you plan to replace your pump with an equal or lesser capacity pump, you should notify the chairperson in writing no later than the first working day after initiation of such work and within 30 days of completion of such work shall submit a completed pump installation report (Part II of Well Completion Report form).

To validate your pump installation permit, please sign and have the contractor sign both permit originals and return one for our files.

Please note Condition 3 requires you to submit an annual report of monthly water use. A copy of your water use report form is enclosed for your use. You should make copies of the report form as needed.

If you have any questions, please call the Commission staff at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Aloha,

[Signature]

for: MICHAEL D. WILSON
Chairperson

Enclosures
AFTER-THE-FACT PUMP INSTALLATION PERMIT

Moloaa-Montgomery Well, Well No. 1120-24

In accordance with the 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 Moloaa-Montgomery Well (Well No. 1120-24) at Moloaa, Kauai, TMK 4-9-13:27, 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 12 gpm capacity, or less, pump in the well.

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

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

5. The permittee 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 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 is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97).

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 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 must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

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

Date of Approval: January 20, 1998
Expiration Date: January 20, 2000

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

Permittee's Signature: ___________________________ Date: ______________
Printed Name: ___________________________ Firm or Title: ___________________________
Installer's Signature: ___________________________ License #: ______________ Date: ______________
Printed Name: ___________________________ Firm or Title: ___________________________

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

Attachments
c:
USGS
Department of Health/ Safe Drinking Water & Wastewater Branches
Kauai Department of Water Supply
WCR 1 Check for Well No. 120-24 (survey to regulation memo)

1. **Pump Tests Check**  Glenn Bauer  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
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<tbody>
<tr>
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<td>Step-Drawdown Test:</td>
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<td>acceptable</td>
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<td></td>
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<td>followed WCPI Stds</td>
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<td>analysis attached</td>
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<td>proposed pump cap o.k.</td>
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</tbody>
</table>

   ![Signature]
   
   **No step-drawdown test required for wells < 70 gpm**

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

   ![Signature]
   
   **No long term data attached**

   |     |    | Well Interference:          |
   |     |    | estimated Steady-State      |
   |     |    | drawdown at 1-mile radius is__ ft. |
   |     |    | analysis attached           |

   ![Signature]

   |     |    | Stream Surface Water Impacted: |
   |     |    | Call the impact Molave St. |
   |     |    | If yes, identify most probable stream |
   |     |    | If long term data attached then provide survey data |
   |     |    | as well could be detected |

2. **Construction Check**  Mitch Ohye  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>If no, describe deficiency</th>
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<tr>
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<td>welaplic.dbf updated</td>
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</table>

   ![Signature]
   
   **Pre-Maskout**
PLEASE FIND ENCLOSED MY WELL COMPLETION REPORT
(MOLOAA - MONTGOMERY WELL #120-24)
I THOUGHT I RETURNED IT TO YOU IN 1996. I DID NOT, HOWEVER, COMPLETE THE EQUATION UNTIL RECENTLY. I HAVE NOT REPORTED ON USAGE AS THE WELL IS NOT CURRENTLY IN USE. THANK YOU VERY MUCH.

JESS MONTGOMERY
PO BOX 282
ANAHOLA, HI 96703
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

WELL COMPLETION REPORT

Instructions: Please print or type and submit completed report within 30 days after well completion. The Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225, or 1-800-468-4844 Extension 70225.

1. State Well No.: -1122-24  Well Name: -MOOAA-MONTGOMERY-  Island: - KAILA
2. Location/Address: - MOOAA RD, Hnl MOOAA, HAU,  Tax Map Key: - 9-9-13-2  

PART I.  WELL CONSTRUCTION REPORT

3. Drilling Company: SELF  
4. Name of driller who performed work: SELF  
5. Type of rig/construction: ROTARY  
6. Date(s) Well Construction and pump tests (if any) completed: 7/14/96  
7. GROUND ELEVATION (referenced to mean sea level, msl): 36.7 ft.  
   Well Bench Mark (description/location): MOOAA RD f 4844 Elevation(msl): 17.35 ft.  
8. DRILLER'S LOG: Please attach geologic log (if available or if required by permit)  
   Depths (ft.) Rock Description, Water Level, Dates, etc. Depths (ft.) Rock Description, Water Level, Dates, etc.  
   (More space is needed, continue on back.)  
   0 to 20 ALLUWIAL CLAY 35 to 60 BLUE ROCK/IND \n20 to 35 GREY CLAY \n9. Total depth of well below ground: 60 ft.  
   10. Hole size: 8 inch dia. from 0 ft. to 60 ft. below ground  
   11. Casing installed: 4 in. I.D. x 4 in. wall solid section to 40 ft. below ground  
   12. Annulus: Grouted from 0 ft. below ground to 40 ft. below ground  
   13. Initial water level: 24 ft. below ground. Date and time of measurement: 7/14/96  
   16. PUMPING TESTS: Reference Point (R.P.) used: TOP OF SARMA which elevation is 36.7 ft.  
   (1) Step-Drawdown Test Date 7/14/96  
      Start water level 24 ft. below R.P.  
      End water level 30 ft. below R.P.  
   (2) Long-term Aquifer Test Date 7/14/96  
      Start water level 24 ft. below R.P.  
      End water level 50 ft. below R.P.  
   17. Aquifer Pump Test Procedures data & graphs (1/3/96 LTAT Form) attached? _Yes_ No  
   18. As-built drawings attached? _Yes_ No  
   19. Other remarks/comments: (On back of this form)  

Well Drilling Contractor (print)  C-57 Lic. No.  
Signature  Date  
Surveyor (print)  Lic. No.  
Signature  Date  
Applicant (print)  Date  
Signature  Date
PART II. (PERMANENT) PUMP INSTALLATION REPORT

20. Pump Installation Company: SELF

21. Name of person performing work: ________________________________

22. Date Pump Installation Completed: 9/1/92

23. PUMP INSTALLATION:
   Pump Type, Make, Serial No.: GRUMAFOSS SUB 3ERNA
   Capacity: 12 gpm
   Motor type, H.P., Voltage, rpm: 3/4 HP
   Depth of Pump Intake Setting: 35 ft. below SURFACE, which elevation is 36.7 ft.
   Depth to bottom of airline: 55 ft. below SURFACE, which elevation is 36.7 ft.
   Pumping Head is: 14 ft. Type of flow meter: DIAL-TYPE, which measures in GALLONS

24. As-built drawings attached? Yes No

25. Other remarks/comments: (See below)

______________________________
Pump Installation Contractor (print)
______________________________  C-57 Lic. No.
Signature

______________________________
Applicant (print) JESS MONTGOMERY
______________________________  Date 1/7/94
Signature

8. (cont'd) DRILLER'S LOG (cont'd):

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<th>Water Level Dates</th>
<th>Depth (ft.)</th>
<th>Rock Description, Remarks,</th>
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WELL 1120-24 MONTGOMERY
December 30, 1997

Linda Montgomery
P.O. Box 282
Anahola, Kauai, Hawaii 96703

Project: 1554

Subject: Well Head Elevation, Moloaa, Kauai, Hawaii
TMK: 4-9-13:27

Linda;

This is to inform you that per your request, on December 23, 1997, we performed a survey to determine the elevation of the new well head on the subject property.

We found the elevation of the top of the 6" PVC well head to be 36.7' M.S.L. This is based upon a County of Kauai bench mark being an iron pipe in concrete at the intersection of Moloaa and Nui Roads (EL = 17.35 MSL)

Feel free to contact me should you have any questions.

Sincerely,

[Signature]

Ronald J. Wagner P.E., L.S.
Leila Y. L. S. Nagamine
L.C.Aw. 3578:1
0.25 ac.

169a.-f Side)
L.C.Aw. 230-2:1
Gr. 2014:9

MOLOKAI

LARRY L.M.C. Haddy,
Leonard L.M.C. Haddy,
Lynette K.L. Smith - TIC
Elizabeth L.M.C. Haddy - Dawer

1.50 acs.

MONAHAN

WELL LOCATION

1120-2A

21

0.37 ac.

Gr. 2016:3

Larry L.M.C. Haddy,
Leonard L.M.C. Haddy,
Lynette K.L. Smith - TIC
Elizabeth L.M.C. Haddy - Dawer

PLAT 09

SIBLEY

SUBJECT TO CHANGE

TERRITORY OF HAW

TAX MAP

FOURTH DIVI:

ZONE SEC. P

4 9 13

CONTAINING PAR

SCALE: In. = 501

PRINTED...
CERTIFIED MAIL
RETURN-RECEIPT REQUESTED

Mr. Jess Montgomery
P.O. Box 282
Anahola, HI 96703

Dear Mr. Montgomery:

Notice of Expiration of Well Construction/Pump Installation Permit
Moloaa-Montgomery Well (Well No. 1120-24)
Moloaa, Kauai

Our records show that a well construction/pump installation permit was approved for the subject well on November 8, 1995 (attached). This permit expired on November 8, 1997.

Please submit the following items that are required under Standard Condition 4 within thirty (30) days from the date of this certified letter:

b. Elevation (referenced to mean sea level) 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 record; including time, pumping rate, drawdown, chloride content, and water quality data.

Be advised that failure to comply with the terms of your permit may result in fines of up to $1000 per day.

If you have any questions, please contact Lenore Nakama at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Sincerely,

RAE M. LOUI
Deputy Director

LN:ss
Enclosures
Mr. Jess Montgomery  
P.O. Box 282  
Anahola, Hawaii 96703

Dear Mr. Montgomery:

Well Completion Report Form for  
Moloaa Well (Well No. 1120-24), Moloaa, Kauai

Transmitted herewith is a copy of our official well completion report form. The submittal of a well completion report within thirty (30) days after completion of the work is a requirement under Condition 4.a. of your well construction permit. The well completion report form was inadvertently omitted as an attachment to your well construction permit.

If you have any question, please contact Lenore Nakama at 587-0218.

Sincerely,

RAE M. LOUI  
Deputy Director

LN:ss

Attachment
Mr. Jess Montgomery  
P.O. Box 282  
Anahola, Hawaii 96703

Dear Mr. Montgomery:

Well Construction/Pump Installation Permits  
Moloaa-Montgomery Well (Well No. 1120-24)

Thank you for returning a signed copy of your permit, and for your inquiry about the need to extend deadlines in a timely way. We apologize for the belated issuance of your permit, and would not penalize a permittee for that delay. We can extend start dates administratively, and do so herewith for your circumstance. The three month requirement for requesting extension is for completion of the work beyond the entire permit period of two years.

Please be advised that your start date deadline is extended to August 22, 1996. Your well completion deadline remains November 8, 1997. If this needs to be extended, please notify us by August 1997.

If you have questions, please call Charley Ice at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

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

WELL CONSTRUCTION/PUMP INSTALLATION PERMIT

for

Moloaa-Montgomery Well
Well No. 1120-24

To: Jess Montgomery
P.O. Box 282
Anahola, Hawaii 96703

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Moloaa-Montgomery Well (Well No. 1120-24) at Moloaa, Kawaihau, Kauai, TMK 4-9-13:27, is approved, subject to the following conditions:

STANDARD WELL CONSTRUCTION/PUMP INSTALLATION PERMIT CONDITIONS

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

2. The well construction/pump installation permit shall be for construction, testing, and pump installation. A minimum one-inch diameter chase tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the attached Aquifer Pump Testing Procedure. The applicant shall submit to the Commission the test results as a basis for installing a 12 gpm capacity, or less, pump in the well, for approval by the Chairperson.

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

4. The following shall be submitted to the Commission within thirty (30) days after completion of work:

   a. Well completion report.
   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 water quality data.

5. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.
6. The applicant shall comply with all applicable laws, rules, and ordinances.

7. The well construction/pump installation permit application and staff submittal approved by the Commission at its November 8, 1995 meeting are incorporated into the permit by reference.

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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

SPECIAL CONDITIONS

1. Installation of a permanent chase tube is not required.

2. The well shall not be used for drinking water unless it is properly tested and treated. Proper testing shall be deemed complete upon written acceptance by the Department of Health.

3. The long-term continuous test described in Attachment D shall be for at least eight hours.

4. The applicant is exempt from doing the step-drawdown test described in Attachment D.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Approval: November 8, 1995

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

Applicant's Signature: ___________________________ Date: 2/23/96
Printed Name: ___________________________
Firm or Title: ___________________________

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

Attach.
cc: USGS
    Department of Health
    Safe Drinking Water Branch
    Wastewater Branch
    Kauai Department of Water Supply
Mr. Jess Montgomery
P.O. Box 282
Anahola, Hawaii 96703

Dear Mr. Montgomery:

Well Construction/Pump Installation Permits
Moloaa-Montgomery Well (Well No. 1120-24)

Enclosed are two copies of your Well Construction/Pump Installation Permits for the captioned monitor wells. Please sign them and return one for our files.

Also enclosed is a Water Use Report form, to be used as a master for your periodic reporting.

If you have any questions, please call Charley Ice of our staff, at 587-0251.

Aloha,

MICHAEL D. WILSON
Chairperson

Enclosures
To: Jess Montgomery  
P.O. Box 282  
Anahola, Hawaii 96703

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to construct, test, and install a pump in Moloaa-Montgomery Well (Well No. 1120-24) at Moloaa, Kawaihau, Kauai, TMK 4-9-13:27, is approved, subject to the following conditions:

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

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

4. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   a. Well completion report.
   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 water quality data.

5. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.
6. The applicant shall comply with all applicable laws, rules, and ordinances.

7. The well construction/pump installation permit application and staff submittal approved by the Commission at its November 8, 1995 meeting are incorporated into the permit by reference.

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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

SPECIAL CONDITIONS

1. Installation of a permanent chase tube is not required.

2. The well shall not be used for drinking water unless it is properly tested and treated. Proper testing shall be deemed complete upon written acceptance by the Department of Health.

3. The long-term continuous test described in Attachment D shall be for at least eight hours.

4. The applicant is exempt from doing the step-drawdown test described in Attachment D.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Approval: November 8, 1995

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

Applicant's Signature: ___________________________ Date: ___________

Printed Name: ____________________________________________

Firm or Title: ____________________________________________

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

Attach.
cc: USGS
    Department of Health
    Safe Drinking Water Branch
    Wastewater Branch
    Kauai Department of Water Supply
Staff Submittal

for the meeting of the
Commission on Water Resource Management

November 8, 1995
Honolulu, Hawaii

Jess Montgomery
Application for Well Construction and Pump Installation Permit
Moloaa-Montgomery Well (Well No. 1120-24)
Construction of an 8-inch diameter, 100-foot deep Well
and Installation of a 12 gpm Pump
for domestic use,

TMK 4-9-13:27 Moloaa, Kawaihau, Kauai

Applicant: Jess Montgomery
P.O. Box 282
Anahola, Hawaii 96703

Landowner: Same

Action Requested: Permission to construct and to install a pump in Moloaa-Montgomery Well, to be used for domestic purposes.

Well Location/Tax Map Key: The well is located at Moloaa, Kauai at Tax Map Key 4-9-13:27 (see Attachment A).

Well Description (see Attachment B):

- Ground elevation: 30 ft.
- Hole diameter: 8 in.
- Solid casing depth: 80 ft.
- Screen casing depth: 20 ft
- Open hole: none
- Total depth: 100 ft.
- Anticipated pump size: 12 gpm
Agency Review: The application was circulated to the State DLNR's Divisions of Historic Preservation and Aquatic Resources, the Office of Hawaiian Affairs, the Departments of Hawaiian Home Lands and Health, and to the Kauai County, Department of Water Supply. No objections were filed. The Department of Health recommends that the water be tested to meet drinking water standards before potable use.

Water Availability: The well is located in the Anahola System of the Lihue Sector of Kauai, with a sustainable yield estimated at 36 mgd. Existing use is about 7 mgd.

Analysis: The proposed well would tap fresh basal ground water. Proposed use is approximately 200 gallons per day. There are over 20 other wells within one mile, each withdrawing small amounts for domestic use. No adverse impacts are known, but newer permittees have been required to test their water before making potable use.

RECOMMENDATION:

That the Commission approve the issuance of a well construction/pump installation permit for Moloaa-Montgomery Well, subject to the standard conditions in Attachment C and the following special conditions:

a. Installation of a permanent chase tube is not required.

b. The well shall not be used for drinking water unless it is properly tested and treated. Proper testing shall be deemed complete upon written acceptance by the Department of Health.

c. The long-term continuous test described in Attachment D shall be for eight (8) hours.

d. The applicant is exempt from doing the step-drawdown test described in attachment D.

Respectfully submitted,

[Signature]

RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

[Signature]

MICHAEL D. WILSON, Chairperson
8. PROPOSED WELL SECTION

- Elevation at top of casing: 32 ft. mas.
- Ground Elevation: 30 ft. mas.
- Cement Grout: 80 ft.
- Rock Packing: 20 ft.
- Hole Diameter: 8.5 in.
- Total Depth: 100 ft.

Solid Casing:
- Material: Pkg Shld 10
- Length: [blank]
- Diameter: 7.5 in.
- Wall thickness: 24 in.
- Openings: [blank]

Casing:
- Packaged: [ ]
- Screen: [ ]
- Material: Pkg Shld 40
- Length: [blank]
- Diameter: 9 in.
- Wall thickness: 24 in.
- Openings: 15 sq. in./ft.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (mas) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment report.

Attachment B
STANDARD WELL CONSTRUCTION/PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The well construction/pump installation permit shall be for construction, testing, and pump installation. A minimum one-inch diameter chase tube shall be permanently installed, in a manner acceptable to the Commission, to accurately record water levels. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the Aquifer Pump Testing Procedure (Attachment D). The applicant shall submit to the Commission the test results as a basis for installing a 12 gpm capacity, or less, pump in the well, for approval by the Chairperson.

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

4. The following shall be submitted to the Commission within thirty (30) days after completion of work:
   a. Well completion report.
   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 water quality data.

5. An approved flowmeter must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be made and reported to the Commission on a monthly basis.

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

7. The well construction/pump installation permit application and staff submittal approved by the Commission at its November 8, 1995 meeting are incorporated into the permit by reference.

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 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 Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.
AQUIFER (PUMP) TEST PROCEDURES

The pump test procedure for new wells shall consist of a step-drawdown test followed by a long-term continuous aquifer test. Testing the well and aquifer in the prescribed manner should result in the hydrologic information needed to determine: 1) the well's performance with regard to yield and water quality (chloride concentration), and 2) the nearby hydraulic properties of the aquifer.

General Recording Requirements

The records required for analysis and the tolerance in measurement acceptable for the step-drawdown and long-term continuous aquifer test are as follows:

1. Discharge from the well shall not fluctuate beyond ± 10 percent.
2. Depth to water measurements in the pumped well shall be accurate to 0.01 feet.
3. Time shall be accurate within ± 1 percent.
4. Water discharged from the well during the step-drawdown and long-term test shall be carried away from the well to a distance sufficient to preclude circulation of the discharge water downward to the ground-water table.
5. Recording of data should be on a form similar to Table 1. All information shown in Table 1 shall be provided. In addition, data shall be plotted on Graph 1 and provided.

Step-Drawdown Test

The purpose of the step-drawdown test is to establish the efficiency of the well and to provide preliminary information on the yield of the well, both from a quantity and quality standpoint.

1. Measurement of water level in the pumped well shall be made every 12 hours for a period of no less than two days prior to the initiation of the step-drawdown test in order to obtain the pretest trend in water levels.
2. The step-drawdown test will consist of continuously pumping the well for four hours at four different rates.
   a. The change from one pumping rate to the next must be sufficient to induce an observable change in water level in the well from the previous pumpage rate.
   b. If desired, the four different rates should represent the full range of pump capacity (if the yield can sustain this), but this is not necessary.
AQUIFER (PUMP) TEST PROCEDURES

3. Each pumping rate should be continued for one hour, after which the new rate should be instituted as rapidly as possible.

4. Pumping should begin at the lowest rate and conclude with the highest rate.

5. Pumping should be continuous through the entire step-drawdown test.

6. Measurement of chloride concentration and temperature of the discharge water shall be measured at least five times:
   a. at the end of each pumping rate during the step-drawdown test, and
   b. at the very beginning of the test.

7. A sufficient number of water level measurements shall be made in the pumped well following the termination of the step-drawdown test to establish that the water level fully recovers from each test to pretest levels.

Long-Term Continuous Test

The purpose of the long-term continuous test is to determine the hydraulic properties of the aquifer to explore for and identify nearby aquifer boundaries such as streams or dikes, and to observe the trend in chloride concentration of the discharge water.

1. The long-term test should not commence until the water level in the pumped well has fully recovered from the step-drawdown test. Generally, the time required for this recovery will be slightly greater than four hours. The water level in the pumped well should be measured immediately before initiation of the long-term test.

2. The pump rate for the long-term test should be sufficient to create an observable drawdown.

3. The test should be run 24 hours per day for at least seven days. If during the test, the water level remains the same for a period of 24 hours, the test can be terminated.

4. Measurement of chloride concentration and temperature of the discharge water during the long-term test shall be made at the beginning of the test and every six hours thereafter.

5. Depth to water in all wells shall be measured with sufficient frequency that each logarithmic cycle in time on the data plots (Graph 1) contains at least 10 data points spread through the cycle. Thus, depth to water should be made at t=0 (immediately prior to start of the test), and as close as possible at t=1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, and 8 minutes for the first ten minutes and at all succeeding decimal multiples of these numbers to the end of the test (t=10, 15, 20, 25, 30, 40, 50, 60, 70, and 80 minutes for the log cycle 10 to 100 minutes, etc.)

6. A sufficient number of water level measurements shall be made in the pumped well following termination of the long-term continuous test to establish that the water level fully recovers from each test to pretest levels.
Table 1

AQUIFER TEST DATA

County: ____________________  Observation well no.: ____________________
Location: __________________  Pumped well no.: ____________________

Average Q: ____________ gpm  Distance between Observation & Pumped Well ______ ft.

<table>
<thead>
<tr>
<th>Date</th>
<th>Hour t (min)</th>
<th>Depth to water (ft)</th>
<th>s (unadjusted) (ft)</th>
<th>Adjustment Δs (ft)</th>
<th>Q (gpm)</th>
<th>Cl⁻</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
</tr>
</thead>
</table>


TO: Honorable Lawrence Miike, Director
Department of Health
Attn: Mr. Dennis Tulang, Wastewater Branch
Attn: Mr. William Wong, Drinking Water Branch

Honorable Kali Watson, Chairperson
Hawaiian Homes Commission

Honorable Clayton H.W. Hee, Chairman
Office of Hawaiian Affairs

Mr. Murl T. Nielsen, Manager and Chief Engineer
Kauai Department of Water

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

SUBJECT: Well Construction/Pump Installation Permit Application for Moloaa - Montgomery Well (Well No. 1120-24)

Transmitted for your review and comment is a copy of the well construction permit application for the Moloaa-Montgomery Well (Well No. 1120-24).

We would appreciate your comments on the attached 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 September 25, 1995.

If you have any questions about this well construction permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

Attachment(s)

Response:

( ) We have no objections
☑ Comments attached

Contact Person: Bill Wong Phone: 586-4258

Signed: Bill Wong Date: 9/22/95

Recommend water be tested to meet drinking water standards if used for human consumption.
TO: Honorable Lawrence Miike, Director  
Department of Health  
Attn: Mr. Dennis Tulang, Wastewater Branch  
Attn: Mr. William Wong, Drinking Water Branch  
Honorable Kali Watson, Chairperson  
Hawaiian Homes Commission  
Honorable Clayton H.W. Hee, Chairman  
Office of Hawaiian Affairs  
Mr. Murl T. Nielsen, Manager and Chief Engineer  
Kauai Department of Water

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

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Attachment(s)

Response:

☐ We have no objections
( ) Comments attached

Contact Person: Lori N. Kajiwara  
Phone: 586-4294
Signed: Lori N. Kajiwara  
Date: 9-15-95
TO: Honorable Lawrence Miike, Director
Department of Health
Attn: Mr. Dennis Tulang, Wastewater Branch
Attn: Mr. William Wong, Drinking Water Branch

Honorable Kali Watson, Chairperson
Hawaiian Homes Commission

Honorable Clayton H.W. Hee, Chairman
Office of Hawaiian Affairs

Mr. Murl T. Nielsen, Manager and Chief Engineer
Kauai Department of Water

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

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If you have any questions about this well construction permit application, request additional information, or request additional review time, please contact Charley Ie of the Commission staff at 587-0251.

Attachment(s)

Response:

[ ] We have no objections
( ) Comments attached

Contact Person: Luis A. Henriques  Phone: 594-1535

Signed:  Date: 09/15/95
October 9, 1995

MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction/Pump Installation Permit Application for Moloaa-Montgomery Well (Well No. 1120-24) Moloaa, Kawaihau, Kauai

TMK: 4-9-13:27

A review of our records shows that there are no known historic sites at the project location although no archaeological inventory has been conducted on this parcel. The project is located on a slight slope, c. 1/4 mile from the bay. It seems unlikely that historic sites would be present in such topography. Therefore, we believe that this well construction will have "no effect" on historic sites.

As a contingency, however, we recommend that a condition be attached to any approved permit: If historic sites, including human burials, are uncovered during construction activities, all work in the vicinity of such finds must stop and the State Historic Preservation Division must be contacted at 587-0047.

EJ:jen
MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction/Pump Installation Permit Application
for Moloaa-Tucker Well (Well No. 1120-23)
Moloaa, Kawaihau, Kauai
TMK: 4-9-13:27

October 91, 1995

A review of our records shows that there are no known historic sites at the project location. According to our files, the area was once under rice cultivation making it unlikely that historic sites are still present. Therefore, we believe that this well construction will have "no effect" on historic sites.

EJ:jen
TO: Mr. Don Hibbard, Administrator
Historic Preservation

Mr. William Devick
Aquatic Resources

Ms. Marjorie Ziegler
Sierra Club Legal Defense Fund

Mr. David Martin
Native Hawaiian Advisory Council

FROM: Rae M. Loui, Deputy Director
Commission on Water Resources Management

SUBJECT: Well Construction/Pump Installation Permit Application for Moloaa - Montgomery Well (Well No. 1120-24)

Transmitted for your review and comment is a copy of the well construction permit application for the Moloaa-Montgomery Well (Well No. 1120-24).

We would appreciate your comments on the attached 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 September 25, 1995.

If you have any questions about this well construction permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

Response:
(9) We have no objections
(9) Comments attached

Contact Person: William Devick Phone: 587-0110

Signed: Date: 9-25-95
MEMORANDUM

To: Rae Loui, Deputy Director  
Commission on Water Resource Management

From: William Devick, Acting Administrator  
Division of Aquatic Resources

Subject: Comments on: Water Use Permit Application

Date of Request: 9/11/95  
Date Received: 9/11/95

Summary of Project

Title: Water Use Permit Application
Proj. By: Jess Montgomery
Location: Moloaa, Kauai

Brief Description:

The applicant proposes to drill a well to provide water for domestic use (individual, non-commercial water system). The proposed amount of withdrawal is approximately 200 gallons per day.

Comments:

We have no objection to the proposed action.
Mr. Jess Montgomery
P.O. Box 282
Anahola, Hawaii 96703

Dear Mr. Montgomery:

Well Construction/Pump Installation Permit Application for Moloaa-Montgomery Well (Well No. 1120-24)

We acknowledge receipt, on August 10, 1995, of your completed Well Construction and Pump Installation Permit application for Moloaa-Montgomery Well (Well No. 1120-24). You can expect your application to be processed for action within ninety (90) days from the date of its acceptance as complete.

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

Sincerely,

RAE M. LOUI
Deputy Director
TO: Honorable Lawrence Miike, Director  
Department of Health  
Attn: Mr. Dennis Tulang, Wastewater Branch  
Attn: Mr. William Wong, Drinking Water Branch

Honorable Kali Watson, Chairperson  
Hawaiian Homes Commission

Honorable Clayton H.W. Hee, Chairman  
Office of Hawaiian Affairs

Mr. Murl T. Nielsen, Manager and Chief Engineer  
Kauai Department of Water

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

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Moloaa - Montgomery Well (Well No. 1120-24)

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If you have any questions about this well construction permit application, request additional information, or request additional review time, please contact Charley Ice of the Commission staff at 587-0251.

Attachment(s)

Response:  
( ) We have no objections  
( ) Comments attached

Contact Person: ___________________________ Phone: _____________

Signed: ___________________________ Date: _____________
TO: Mr. Don Hibbard, Administrator
Historic Preservation

Mr. William Devick
Aquatic Resources

Ms. Marjorie Ziegler
Sierra Club Legal Defense Fund

Mr. David Martin
Native Hawaiian Advisory Council

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Commission on Water Resources Management

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Cl: ss
Attachment(s)
Response:

( ) We have no objections
( ) Comments attached

Contact Person: ___________________ Phone: ___________________
Signed: ___________________________ Date: ___________________
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<td>TOTAL $25.00</td>
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**REMARKS:**

LINE (1) Well no.: 1120-24 Moloaa-Montgomery
LINE (2)
LINE (3)
LINE (4)
APPLICATION FOR PERMIT

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: JESS MONTGOMERY
   Contact Person: SAME
   Address: PO BOX 72
   (b) LANDOWNER
   Firm/Name: JESS MONTGOMERY
   Contact Person: SAME
   Address: PO BOX 72

2. WELL LOCATION/NAME: MOLOA
   Address: MOLOA ROAD (AND STREET NUMBER)
   (Attach a USGS map, scale 1:2000, and a property tax map showing well location referenced to established property boundaries.)

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

(b) WELL TYPE:
   Dug
   Bored
   Driven
   Drilled
   Drilled Oil Wells
   * Is this well a part of a battery of wells? Yes
   No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 12 gallons per minute
   Pump Type:
   √ Deep Well Turbine
   Rotary
   √ Submersible
   √ Centrifugal
   Motor:
   √ Propeller
   Diesel
   √ Reciprocating
   Gas
   Electric, rated horsepower of

5. PROPOSED USE:
   Municipal (including hotels, stores, etc.)
   Domestic (individual, noncommercial water sys.)
   Irrigation (crop)
   State Land Use District:
   Urban
   Agricultural
   Rural
   Conservation
   County Zoning (describe)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   200 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   Flow-meter
   Orifice Plate
   Weir

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

8. REMARKS, EXPLANATIONS:

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

Well Owner: JESS MONTGOMERY
Signature: JESS MONTGOMERY
Date:

LANDOWNER: JESS MONTGOMERY
Signature: JESS MONTGOMERY
Contractor:
Signature: JESS MONTGOMERY
Date:
9. PROPOSED WELL SECTION

Elevation at top of casing: 32 ft., mix.

Cement Grout: 80 ft.

Rock Packing: 20 ft.

Hole Diameter: 8 in.

Total Depth: 100 ft.

Ground Elevation: 30 ft., mix*

Solid Casing:
- Material: PK Sch. 40
- Length: 80 ft.
- Diameter: 4 in.
- Wall thickness: 2 in.

Casing:
- Perforated
- Material: PK Sch. 40
- Length: 80 ft.
- Diameter: 4 in.
- Wall thickness: 2 in.
- Openings: 1/2 sq. in./L.F.

Open Hole:
- Length: NA.
- Diameter: NA.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (mix) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
APPLICATION FOR PERMIT

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: JESS MONTGOMERY
      Contact Person: Same
      Address: P.O. BOX 242, ANAHEIM, HI 96723
   (b) LANDOWNER
      Firm/Name: JESS MONTGOMERY
      Contact Person: Same
      Address: P.O. BOX 242, ANAHEIM, HI 96723
   (c) CONTRACTOR
      Firm/Name: To Be Determined
      Ph.: 
      Address: 
      Contractor's C-37 License No.: 

2. WELL LOCATION/NAME: MOLOKA'I 1120-24
   Address: MOLOKA'I ROAD (AP TERRITORIES)
   Tax Map Key: 4-9-13-37
   (Attach a USGS map, scale 1"=2000, and a property tax map showing well location referenced to established property boundaries.)

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

4. PROPOSED PUMP INFORMATION:
   - Pump Type: Deep Well Turbine
   - Motor: Electric, rated horsepower of
   - Rated Pump Capacity: 

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Military
   - Domestic (individual, noncommercial water use)
   - Industrial
   - Irrigation (crop)
   - Other (explain)
   - State Land Use District:
   - Urban
   - Rural
   - Conservation
   - Agriculture

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 200 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      - Flow-meter
      - Open-plate
      - Orifice Plate

7. PENDING ACTIONS:
   - Code
   - SMA
   - EIS
   - EA
   - None
   - Other (explain)

8. REMARKS, EXPLANATIONS:

   (If more space is needed, continue below under remarks, explanations.)
   
   ____________________________ ____________________________
   ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ...
9. PROPOSED WELL SECTION

- Elevation at top of casing: 32 ft., mast
- Ground Elevation: 30 ft., mast
- Cement Grout: 80 ft.
- Rock Packing: 20 ft.
- Hole Diameter: 8 in.
- Total Depth: 100 ft.

- Solid Casing: PK Sel. 10
  - Material
  - Length
  - Diameter
  - Wall thickness

- Casing: [ ] Perforated [ ] Screen
  - Material
  - Length
  - Diameter
  - Wall thickness
  - Openings

- Open Hole: N/A
  - Length
  - Diameter

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.*