DATE OF REPORT: 4-28-89  

PERSON FILING REPORT: Bryan Sarasin  

A. OWNER: Howard Tamagawa  
B. GENERAL LOCATION: Honokaa Well No. 1, Island of Maui  
C. DRILLING COMPANY: David Pico  
D. TYPE OF RIG: Rotary  
E. ELEVATION, msl: Top of drilling platform 288.6 ft.  
F. HOLE SIZE: 6 1/2 inch dia. to 26 ft. below drilling platform.  
G. CASING INSTALLED: 4 in. I.D. x 125 in. wall solid section to 150 ft. below drilling platform.  
H. ANNULUS: Grouted 4 ft. to 26 ft. below drilling platform.  

HYDROLOGY  

J. INITIAL WATER LEVEL: 55 ft. below drilling platform.  
K. INITIAL CHLORIDE: ppm, total depth of well 55 ft. below drilling platform.  

L. PUMPING TESTS:  

Date: 12-26-86  
Start water level: 55 ft. below R. P.  
End water level: 300 ft. below R. P.  
Depth of well: 400 ft. below R. P.  
Reference point (R.P.) used:  
Rate (gpm), Draw-down (ft.), Cl- (ppm), Temp. (°F):  
Rate (gpm), Draw-down (ft.), Cl- (ppm), Temp. (°F):  

M. DRILLER'S LOG:  

N. REMARKS:  

SUBSURFACE FORMATION  

FOR DRILLER'S USE  

FOR OFFICIAL USE  

DOWALD Form 71(1) State of Hawaii  

WELL DRILLING PERMIT

for

Honokala Well
State Well No. 5513-01
Honokala, Makawao, Maui

TO: Mr. Howard P. Tavares

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii," your application to drill an agricultural well, State Well No. 5513-01, is approved subject to the following conditions:

1. A Driller's Well Completion Report (enclosed) shall be submitted to the Division of Water and Land Development within 60 days after completion of the well.

2. Pumping test data shall be submitted to the Division of Water and Land Development within 60 days after testing of the well.

3. Upon completion of the well, submit an "as-built" drawing of the well and a map showing the exact location of the well.

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

AUG 11 1986

Date of Issuance

Enc. Driller's Report Form
cc: USGS
Dept of Health, Drinking Water Program
Maui DWS
Dear Mr. Sakoda,

Please return the drill immediately as our drill is ready to drill. Apparently you did not receive our first letter.

Thank you very much for your cooperation.

Jackie Jacobs
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  Yes  ☐ No

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island  Maui  Tax Map Key 2-9-002-030  Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER  Howard P. Tavares  Telephone  [Redacted]
   Address  [Redacted]  Zip Code  96753

3. PROPOSED DRILLING COMPANY:  David Pico

4. PROPOSED WORK:  ☐ Drill new well  ☐ Deepen  ☐ Redrill  ☐ Alter  ☐ Seal
   ☐ Abandon  ☐ Install new pump  ☐ Replace pump  ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):
Drill to average 150' and test for water. Area has proved water standing at approx 60-60', and since a small amount of water is required a depth of 150' should be satisfactory.

PROPOSED SECTION OF WELL

Elevation at top of casing 250 ft., msl.

Cement Grout 20 ft.

Hole Dia. 6 7/8 in.

Total Depth 150 ft.

Rock Packing as necessary

Ground Elev.  ft., msl*

Solid casing:
   Material  4 1/2" Black
   Length 100 ft.
   Diameter 4 1/2 in.
   Wall thickness 0.25 in.

Casing:
   Perforated  Scre
   Material  Black
   Length 100 ft.
   Diameter 4 1/2 in.
   Wall thickness 0.25 in.
   Openings 0 sq. in./L.F.

Open Hole:
   Length 0 ft.
   Diameter 0 in.

5. PROPOSED USE:  ☐ Municipal  ☐ Military  ☐ Agriculture  ☐ Industrial
   ☐ Domestic  ☐ Disposal  ☐ Other (specify)  _______ 

6. PROPOSED AMOUNT OF WITHDRAWAL:  Check most appropriate box and fill in amount.
   ☐ Daily  gallons  ☐ Monthly 10,000 gallons  ☐ Yearly  gallons

7. PROPOSED PUMP OR FLOW CAPACITY:  gallons per minute

Signature: Howard P. Tavares  Date: 3-3-86
Water User

Signature: Howard P. Tavares  Date: 3-3-86
Landowner of Well Site

For Official Use:
State Well No. 5513-01
DLNR Permit No. __________________________
DLNR Application No. ____________________
Tax Key: 2-9-002-030

26.830 Acres
April 15, 1987

Mr. Howard Tavares

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SURVEY SERVICES RENDERED---

Services: Provide survey services to determine mean sea level at the pump head, per your request.
TMK: 2-9-02:30

Billing:
- 100% Of Fixed Fee Contract Amount: $775.00
- Less Advance Payment Received (Thank You!): -775.00
- Balance Due: $-0-

Note: Mean sea level determination was 288.06 on the concrete collar at the base of the well head. We also set an elevation on the concrete base of the nearest post holding up the roof (makai/Hana corner) which is at an elevation of 287.76 feet. WELL NO. 5513-01
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT    ☐ WELL MODIFICATION PERMIT

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Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  Yes  ☑ No
If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island  Hawaii  Tax Map Key  2-902-030 Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER  Howard P. Tavares  Telephone  [Redacted]
Address  [Redacted]  Zip Code  91753

3. PROPOSED DRILLING COMPANY:  David P. co

4. PROPOSED WORK:  ☑ Drill new well  ☐ Deepen  ☐ Redrill  ☐ Alter  ☐ Seal  ☐ Abandon  ☐ Install new pump  ☐ Replace pump  ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

Drill to approx. 150' and test for water. Area has proved water standing at approx. 60'-80' and since a small amount of water is required a depth of 150' should be satisfactory.

PROPOSED SECTION OF WELL

Elevation at top of casing  250 ft. msl.

Ground Elev.  [ft., msl.]

Cement Grout  20 ft.

Hole Dia.  10 in.

Total Depth  150 ft.

Rock Packing  [AS W/PUMP]

Solid casing:
  Material  4" black
  Length  100 ft.
  Diameter  4-1/2 in.
  Wall thickness  .25 in.

Casing:
  Perforated, Scre
  Material  Black
  Length  100 ft.
  Diameter  4-1/2 in.
  Wall thickness  .25 in.
  Openings [Redacted] in./L.F.

Open Hole:
  Length [Redacted] ft.
  Diameter [Redacted] in.

*Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE:  ☑ Municipal  ☐ Military  ☐ Agriculture  ☐ Industrial  ☐ Domestic  ☐ Disposal  ☐ Other (specify)  [Redacted]

6. PROPOSED AMOUNT OF WITHDRAWAL:  Check most appropriate box and fill in amount.

7. PROPOSED PUMP OR FLOW CAPACITY:  [Redacted] gallons per minute

Signature:  [Redacted]  Water User  Date:  8-3-86

Signature:  [Redacted]  Landowner of Well Site  Date:  8-3-86
Block

MIN 388.05
ON DEMAND

LAND DEVELOPMENT

38 MAY 12  A:8:18

RECEIVED