GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
(fenced area contains both Kapoho State 1 and 1-1A)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Noticed that the meter is not there any more but they are still monitoring the hole.

Morris Ota Inspector
July 31, 1989
## GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Well site generally well maintained, fenced and locked</td>
</tr>
<tr>
<td></td>
<td>noticed that the trailer type office is gone</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Gate locked</td>
</tr>
</tbody>
</table>

**Date:** July 31, 1989
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation

SITE CONDITION: Noticed that no improvements has been done around the plant.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator

OTHER COMMENTS: The HGP-A plant had a power outage on July 23, 1989. Power was out overnight, people called to check out and find out about what was happening at the plant.

Date: July 31, 1989

Morris Ota
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced. (Well site contains both Kapoho State 1 and 1 - 1 A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check.

Morris Ota  Date: July 31, 1989
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1 and 1 - 1 A)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Mr. Robert Kochy

OTHER COMMENTS: Noticed that the meter was removed, called Mr. Kochy
and asked him why, he said that they installed about 150 ft of casin in the hole
used about 5 yds of cement in the hole.

Morris Ota
Inspector

Date: 6/30/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - 1 A well)

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: Mr. Robert Kocyy

OTHER COMMENTS: Gate locked but got keys to go in and check.

Date: 6/30/89

Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked

noticed that the trailer type office was removed.

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector

Date: 6/30/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: WELL and power plant in operation

SITE CONDITION: noticed that no improvements has been done around the plant.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator.

OTHER COMMENTS: Noticed that the crane is gone and there is a bulldozer in that area, noticed that the bulldozer dug a huge hole in the pond where the brine was discharged, no brine stream running into the forest area, everything is completely dry.

Morris Ota Date: 6/30/89
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant inoperation

SITE CONDITION: Noticed that the pipes are in pretty bad shape, more rust around the pipes and corrosion.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator

OTHER COMMENTS: Noticed that there was a crane in the brine pond area, noticed that the crane was cleaning the pond area, took pictures of the crane doing some work.

Morris Ota  Date: 5/31/89
Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
noticed that the trailer type office was removed.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Inspector: Morris Ota
Date: 5/31/89
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1-1A well)

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check.

Morris Ota
Inspector

Date: 5/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked, (fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went in and checked the PSI reading, the reading was 400, it was low because they cleared the line just a few days ago.

Morris Ota
Inspector
Date: 5/31/89
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to
well head

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went in and checked the PSI reading the reading was 450.
met Mr. Robert Kochy along the highway, he said that they will be doing some
work very shortly, real soon.

Morris Ota
Inspector
Date: 4/30/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - 1A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check.

[Signature]
Inspector
Date: 4/30/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
Noticed that the trailer type office was removed.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector

Date: 4/30/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation

SITE CONDITION: Noticed that the pipes are getting more and more rust and corrosion.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator

OTHER COMMENTS: Went to check the plant upon complaints filled by people living near the plant area, went to check and found out that one of the pressure brine line got separated, HELCO had a repair crew out there and repaired it. It happened in the morning at about 5-30 in the morning.

Morris Ota
Inspector

Date: 4/30/89
April 28, 1989

MEMORANDUM FOR THE RECORD

FROM: Morris Ota

SUBJECT: Geothermal Well Inspection

I went to HGPA Well Site to check on complaints on overflowing of Brine flowing into the forest area. Also noted, were several ponds of Brine overflow leading to the forest area. Brine overflowing into the forest area approximately 350 yards from designated Brine overflow pond area. There is an access road approximately 350 yards leading from HGPA Plant to Brine overflow area leading into the forest area.

MORRIS OTA
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1 and 1-1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to
well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went in and checked the guage, the PSL reading was 500
Spoke to Roy Nakanishi operation manager, Puna geothermal research center
he said that he spoke to Mr. Bronstein new manager for Ormat that they should
be drilling soon, as soon as they get the permit cleared.

Morris Ota
Inspector

Date: 3/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - 1-A well)

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check.

Morris Ota
Inspector

Date: 3/31/89
## GEOTHERMAL WELL INSPECTION

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<td>PERSON(s) CONTACTED:</td>
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<td>OTHER COMMENTS:</td>
<td>Gate locked.</td>
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**Inspector:** Morris Ota  
**Date:** 3/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Extra rusty pipes and corrosion on most of the pipes.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator for HELCO

OTHER COMMENTS: Noticed that the company is not doing any repairs to the pipes, asked Levi why is it that are not doing any more painting or repairs he said that the company is still negotiating with another co to take over the plant, that is why they are not doing anything at all.

Inspector: Morris Ota
Date: 3/31/89
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1 and 1-1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: Robert Kochy.

OTHER COMMENTS: Went in and checked the gauge, the PSI reading was 525
spoke to Robert Kochy and he said the company's manager was Mr. Bronstein
he is working with the County of Hawaii to get the necessary permits to operate.

Morris Ota
Inspector
Date: 2 / 28 / 89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - 1 - A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy.

OTHER COMMENTS: Gate locked but got keys to go in and check.

Morris Ota
Inspector

Date: 2/28/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Gate locked.

Date: 2/28/89

Inspector: Morris Ota
WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Extra rusty pipes and corrosion on most of the pipes.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, plant operator from HELCO

OTHER COMMENTS: Noticed that the company repaired the cracked pipes
and painted a little more pipes and valves. Levi said that they are hoping
that a buyer will take over the operation soon.

Morris Ota
Inspector
Date: 2/28/89
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
(fenced area contains both Kapoho State 1-1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Went in and checked the gauge, the PSI reading was 495
spoke to Robert Kochy and he said that a company named Ornett was in the process of getting the permits to start on the well site.

Morris Ota
Inspector
Date: 1/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separated by locked and fenced (well site contains both Kapoho State 1 and 1 - # well #)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Gate locked but got keys to go in and check the well site.

Morris Ota
Inspector

Date: 1/31/89
WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked (trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Gate locked.

Date: 1/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, plant operator from HELCO.

OTHER COMMENTS: Noticed that extra steam coming out of the pipes, reason for that is because one of the pipes had a leak; a small crack company went and repaired it, everything back to normal.

Morris Ota
Inspector
Date: 1/31/89
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
( fenced area contains both Kapoho State 1 - 1 - A )

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: Robert Cochy

OTHER COMMENTS: Went to check the gauge, the PSI was 400, Mr. Robert Cochy just released the pressure about two days ago, Mr. Cochy told me that the new company should start as soon as the paperwork and clearance are completed, they will start working, he is just waiting.

Morris Ota
Inspector
Date: 12/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Cochy

OTHER COMMENTS: Gate locked but got keys to go in and check the well sites, Mr. Cochy opened the gate for me, met me at the well sites

Inspector: Morris Ota
Date: 12/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Cochy

OTHER COMMENTS: Gate locked.
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, HELCO plant operator.

OTHER COMMENTS: Noted that the company changed some pipes that was bad and painted some of the pipes.

Morris Ota
Inspector

Date: 12/30/1988
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
(fenced area contains both Kapoho State 1-1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the gauge, the PSI reading was 515. The PSI is high because they did not release steam yet. I was told that a new company will take over in Jan. and start to do some work.

Morris Ota
Inspector
Date: 10-31-88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (Well site contains both Kapoho State 1 and 1-A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well site.

Date: 10-31-88

Inspector: Morris Ota
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
( trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector
Date: 10 - 31 - 88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, HELCO plant operator

OTHER COMMENTS: Noted that company started to do a little more painting, the company painted more pipes and replaced some of the bad ones.

Morris Ota
Inspector

Date: 10 - 31 - 88
STATE OF HAWAII
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked

( fenced area contains both Kapoho State 1 - and 1 - A )

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Went to check the gauge, the PSI reading was 526.
The reason it was that high is because they let out steam every three weeks instead of every two weeks, as per Robert Kochy, he also said that some company will start to do some work by Dec. or Jan. at the latest.

Morris Ota
Inspector

Date: 9/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1-A well)

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Gate locked but got keys to go in and check the well sites.

Morris Ota  Date: 9/30/88
Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked

Morris Cta
Inspector

Date: 9/30/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves, noted that the company had started to work on the thurbo.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi HELCO plant operator.

OTHER COMMENTS: Noted that the company was getting ready to start doing some work, they did do some work, they worked on the thurbo, closed the plant for about two weeks, they started the motor and did start operating on Oct 8, 1988, they vented steam while repairing the motors.

Morris Ota
Inspector

Date: 9/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(Trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Date: 8/31/88

Morris Cta
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head separately locked and fenced, (well site contains both Kapoho State 1 and 1 - A well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well sited.

Morris Ota
Inspector
Date: 8/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1- and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the pressure guage, the guage reading on the guage was 408 PSI, did not release pressure yet.

Morris Ota
Inspector
Date: 8/31/88
State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves, noted that the company was getting ready to do some work.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, HELCO plant operator.

OTHER COMMENTS: Levi said that they in the process of changing some pipes from the well.

Morris Ota  
Inspector  
Date: 8/31/88
WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None.

SITE CONDITION: Generally well maintained, well site and well head separately fenced and locked. (Well site contains both Kapoho State 1 and 1 - a well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the pressure gauge, the reading on the gauge was 400 degree, reason, because it did not release pressure. (KS-1A)
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<td>Well site generally well maintained, fenced, and locked. (Trailer type office located within fence area.)</td>
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**Morris Ota**  
**Inspector**  
**Date:** 7/29/88
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<th>Field</th>
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Morris Ota
Inspector

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<td></td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>Levi, HELO plant operator.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>HELO will not spend too much more money in the plant, due to the fact that the Supervisor said they are now in the process of negotiating with another company very shortly.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Inspector:**

Morris Ota  
Date: 7/29/88
STATE OF HAWAII
DEPARTMENT OF LAND & NATURAL RESOURCES
DIVISION OF WATER & LAND DEVELOPMENT

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Inspector: Morris Ota
Date: 6/30/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well sites.

Morris Ota
Inspector
Date: 6/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None.

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area have been cleaned.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access gate removed, gate is open.

Morris Ota  
Inspector  
Date: 6/30/88
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Access road and well site overgrown with vegetation and Macadamia nut trees, unable to locate cell ar and well head.</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Will is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Unable to drive to well site, roadway overgrown with vegetation, also &quot;NO TRESS PASS&quot; sign posted.</td>
</tr>
</tbody>
</table>

Morris Ota  
Inspector  
Date: 6/30/88
### GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Well site generally well maintained, fenced and locked.</td>
</tr>
<tr>
<td></td>
<td>(Trailer type office located within fenced area.)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Gate locked.</td>
</tr>
</tbody>
</table>

Date: 6/30/88

Inspector: Morris Ota
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None.</td>
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<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site and wellhead seperately fenced and locked, (Well site contains both Kapoho State 1 and 1-A well)</td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
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<tr>
<td></td>
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</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Went to check the pressure gauge, the reading on the gauge was 350 degree, it is normal, due to the fact that they released the pressure.</td>
</tr>
</tbody>
</table>

[Signature]
Morris Ota
Inspector

Date: 6/30/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the pipes and valves. Noticed that the co. did not do any work this time.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, HELCO plant operator.

OTHER COMMENTS: HELCO will not spend too much more money in the plant, waiting for some co. to take over the operation.

Morris Ota Inspector

Date: 6/30/88
June 29, 1988
MEMORANDUM
TO: Mr. Morris Ota
VIA: Linford Chang
FROM: Manabu Tagomori, Deputy for Water Resource Management
SUBJECT: Revised Schedule for Geothermal Well Inspections

Effective immediately, please inspect the Puna geothermal wells as follows:

(1) Inspect Kapoho State Wells 1, 1-A and 2; and HGP-A on a monthly basis.

(2) Inspect Lanipuna Wells 1 and 6; and Ashida 1 on a semi-annual basis; say, January and July.

Thank you for your assistance.

MANABU TAGOMORI
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the valves and pipes, some overflow of brime percolation ponds noted, continue to do more work on pipes, changed a few more pipes and painted a little more.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, plant operator for HELCO

OTHER COMMENTS: As per plant operator, HELCO still trying to negotiate with another co. to take over the plant.

Inspector: Morris Ota
Date: 6/15/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SITE CONDITION:</th>
<th>Generally well maintained. Well site and wellhead separately fenced and locked, (Well site contains both Kapoho State 1 and 1-A well.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERSON(s) CONTACTED:</th>
<th>None</th>
</tr>
</thead>
</table>

| OTHER COMMENTS: | Went to check the pressure gauge, the reading on the gauge was 375 degrees high because they did not release the pressure. |

**Inspector**

Morris Ota

Date: 6/15/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.
(Trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector

Date: 6/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and Macadamia nut trees, unable to locate cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TRESS PASS" sign posted.

Morris Ota
Inspector

Date: 6/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cwall and well head enclosed by fence, area have been cleaned.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access gate removed, gate is open.

Morris Cta
Inspector

Date: 6/15/88
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho State 1-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site fenced and locked, (Fenced area contains both Kapoho State 1 and 1-A)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in, flow test equipment connected to well head.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Gate locked but got keys to go in and check the well sites.</td>
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</table>

Date: 6/15/88

Inspector: Morris Ota
# GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Ashida 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>(Not available due to inaccessibility.)</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>(Not available.)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate locked, unable to enter site for visual inspection.</td>
</tr>
</tbody>
</table>

Inspector: Morris Ota  
Date: 6/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Morris Ota

Inspector

Date: 5/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked,
(Fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well sites.

Morris Ota
Inspector
Date: 5/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area have been cleaned.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access gate removed, gate is open.
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and Macadamia nut trees, unable to locate cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TRESS" sign posted.

Morris Ota
Inspector

Date: 5/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2
SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.
(Trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector

Date: 5/31/88
# GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.</th>
<th>Kapoho - State 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained. Well site and wellhead</td>
</tr>
<tr>
<td></td>
<td>separately fenced and locked, (Well site contains both Kapoho State 1 and 1 - A well.)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Went to check the pressure gauge, the reading was 350 degree, it was low because they went and released the pressure.  (KS-1A)</td>
</tr>
</tbody>
</table>

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Signed by: [Signature]  
Date: 5/31/88

Morris Ota  
Inspector
WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the valves and pipes, some overflow of brine percolation ponds noted, co did some work, painted a little more pipes and changed a few pipes.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, plant operator for HELCO.

OTHER COMMENTS: HELCO still trying to negotiate with another co to take over the plant.

Inspector: Morris Ota
Date: 5/31/88
WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Inspector: Norris Ota

Date: 5/13/88
<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL NAME/NO.:</td>
<td>Kapoho State 1-A</td>
</tr>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site fenced and locked (Fenced area contains both Kapoho State 1 and 1-A)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in, flow test equipment connected to well head.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Gate locked but got keys to go in and checked the well sites.</td>
</tr>
</tbody>
</table>

Inspector: Morris Ota
Date: 5/13/88
<table>
<thead>
<tr>
<th><strong>WELL NAME/NO.</strong></th>
<th>Lanipuna 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SITE ACTIVITY:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>SITE CONDITION:</strong></td>
<td>Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.</td>
</tr>
<tr>
<td><strong>WELL STATUS/CONDITION:</strong></td>
<td>Well is shut in.</td>
</tr>
<tr>
<td><strong>PERSON(s) CONTACTED:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>OTHER COMMENTS:</strong></td>
<td>Lock to access gate removed, gate is open.</td>
</tr>
</tbody>
</table>

**Inspector:** Morris Ota  
**Date:** 5/13/83
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate cullar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None.

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TResPass" sign posted.

Morris Ota
Inspector
Date: 5/13/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.
(Trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota
Inspector
Date: 5/13/88
State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SITE CONDITION:</th>
<th>Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1 - A well.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERSON(s) CONTACTED:</th>
<th>None</th>
</tr>
</thead>
</table>

| OTHER COMMENTS: | Went to check the pressure gauge, the reading was 400 degrees; it is high because they didn't release the pressure. |

---

Morris Ota  
Inspector  
Date: 5/13/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the valves and pipes, some overflow of brine percolation ponds noted, co. did some work, painted a little more pipes and changed a few pipes.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi, plant operator for HELCO.

OTHER COMMENTS: HELCO still trying to negotiate with another co to take over the plant.

Inspector: Morris Ota

Date: 5/13/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Morris Ota
Date: 4/29/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
(Fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well sites.

Morris Ota
Inspector

Date: 4/29/88
WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete collar and well head enclosed by fence, area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access gate removed, gate is open.
Noticed that some equipment was removed from well site area.

Morris Ota Date: 4/29/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.:  Lanipuna 1

SITE ACTIVITY:  None

SITE CONDITION:  Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate cellar and wellhead.

WELL STATUS/CONDITION:  Well is shut in.

PERSON(s) CONTACTED:  None

OTHER COMMENTS:  Unable to drive to well site, roadway overgrown with vegetation, also "NO Tress Pass" sign posted.

Morris Ota  Date:  4/29/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked. (trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked

Morris Ota
Inspector

Date: 4/29/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A well.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the pressure gauge, the reading was 350 degree, it was low because they just released the pressure. 

Date: 4/29/88

Morris Ota
Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the valves and pipes, some overflow of lime percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi plant operator for HELCO.

OTHER COMMENTS: Levi told me that they are trying to negotiate with another company to take over the plant.

Date: 4/29/88

Inspector
GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>HGP-A</th>
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</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>Well and power plant in operation.</td>
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</tbody>
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<tr>
<th>SITE CONDITION:</th>
<th>Rust and corrosion noted on most of the valves and pipes, some overflow of brine percolation ponds noted.</th>
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<thead>
<tr>
<th>WELL STATUS/CONDITION:</th>
<th>Well in operation.</th>
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<thead>
<tr>
<th>PERSON(s) CONTACTED:</th>
<th>Levi and another foremen from HELCO.</th>
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<table>
<thead>
<tr>
<th>OTHER COMMENTS:</th>
<th>HELCO foremensaid that they are trying to change as many pipes as possible, not enough manpower.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Met Roy Nakanishi from Natural Energy Laboratory of Hawaii, they are doing a lot of research work there.</td>
</tr>
</tbody>
</table>

Morris Ota  
Inspector  
Date: 4/15/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the pressure gauge, the reading was 450 degree, it was high because it has some pressure in the well, they release the pressure every two weeks. (K3-1A)

Morris Ota
Inspector

Date: 4/15/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility)

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Inspector: Morris Ota  Date: 4/15/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.
(Trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Date: 4/15/88

Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TRESS PASS" sign posted.

Morris Ota
Inspector

Date: 4/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access gate removed, gate is open.
Noticed that some equipment was removed from well site area.

Morris Ota
Inspector

Date: 4/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
(Fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well site.

Morris Ota
Inspector

Date: 4/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Date: 3/31/88

Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: More rust and corrosion noted on most of the valves and pipes, some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi from HELCO, plant operator.

OTHER COMMENTS: Noticed that HELCO continued to paint more pipes. U. H. people continue doing research work.

Morris Ota
Inspector
Date: 3/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Morris Ota
Inspector

Date: 3/31/88
## GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
</tbody>
</table>

**SITE CONDITION:** Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.

**WELL STATUS/CONDITION:** Well is shut in.

**PERSON(s) CONTACTED:** None

**OTHER COMMENTS:**
- Lock to access road gate removed, gate is open.
- Noticed that someone is doing some work around the area.

---

*Inspector*

Date: 3/31/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TRESPASS" sign posted.

Inspector: Morris Ota
Date: 3/31/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
(Fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked but got keys to go in and check the well site.

Morris Ota  Date: 3/31/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State #1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State #1 and #1 - A wells.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Went to check the pressure gauge, the reading was 370 degree, it was slightly high because it has some pressure in the well, will release the pressure every two weeks. (KS-1A) ✓

Morris Ota
Inspector

Date: 3/31/88
<table>
<thead>
<tr>
<th>WELL NAME/NO.</th>
<th>Lanipuna 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION</td>
<td>Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate cellar and wellhead.</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS</td>
<td>Unable to drive to well site, roadway overgrown with vegetation, also &quot;NO Tress Pass&quot; sign posted.</td>
</tr>
</tbody>
</table>

Date: 3/15/88

Inspector: Morris Ota
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Lock to access road gate removed, gate is open, Men did some cleaning around the area.

Inspector: Morris Ota
Date: 3/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Inspector: Morris Ota
Date: 3/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
( Fenced area contains both Kapoho State 1 and 1-A )

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to well head.

PERSON(s) CONTACTED: Robert Kochy.

OTHER COMMENTS: Gate was locked but got keys to in and check the well site.

Date: 3/15/88

Inspector: Morris Ota
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Gate locked.

Inspector
Date: 3/15/88
GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1 - A wells.)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>Robert Kochy.</td>
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<tr>
<td>OTHER COMMENTS:</td>
<td>Went and read the pressure gauge and the reading was low, it read 350 degree, Robert Kochy told me the reason for that is that they had a gas burn to release pressure, they do that two times a month. Will try and make arrangements to see it when they do the next test.</td>
</tr>
</tbody>
</table>

Inspector: Morris Ota
Date: 3/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on most of the and valves, some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi from HELCO, plant operator.

OTHER COMMENTS: Noticed that HELCO painted more pipes that has rust, U. H. people continue doing research work.
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate concrete cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO TRESS PASS" sign posted.

Morris Ota
Inspector

Date: 2/27/88
WELL NAME/NO.:       Lanipuna 6

SITE ACTIVITY:          None

SITE CONDITION:        Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.

WELL STATUS/CONDITION:    Well is shut in.

PERSON(s) CONTACTED:    None

OTHER COMMENTS:        Access road gate lock removed gate open, noticed some men working on well rig.

Morris Ota
Inspector         Date:   2/27/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Morris Ota  Date: 2/27/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
(Fenced area contains both Kapoho State 1 and 1-A)

WELL STATUS/CONDITION: Well is shut in - flow test equipment connected to well head.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Will try to contact Dough Bell to go over the well sites, he said that he will explain some things to me at the site.

Morris Ota
Inspector
Date: 2/27/88
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None.

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Tried to contact Dough Bell but was not able to
will try the next time.

Morris Ota
Inspector

Date: 2/27/88
<table>
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<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 1</th>
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<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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<td>SITE CONDITION:</td>
<td>Generally well maintained, well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells.)</td>
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<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
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<tr>
<td>OTHER COMMENTS:</td>
<td>Tried to contact Dough Bell by phone but could not reach him, tried the second time but was not able to, will try the next time I go to Puna for site insp.</td>
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Morris Ota
Inspector
Date: 2/27/88
State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>HGP-A</th>
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<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>Well and power plant in operation.</td>
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</table>

| SITE CONDITION: | Rust and corrosion noted on some pipes and valves, some overflow of brine percolation ponds noted. |

| WELL STATUS/CONDITION: | Well in operation. |

| PERSON(s) CONTACTED: | Levi from HELCO, plant operator. |

| OTHER COMMENTS: | Noticed that HELCO painted a little more of the pipes that has rust. Saw some people working around the outside portion of the plant, went and spoke to one of the workers, the worker said that they are from U. H. they are doing some research work. |

Morris Ota  
Inspector  
Date: 2/27/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.:  Lanipuna 1

SITE ACTIVITY:  None

SITE CONDITION:  Access road and well site overgrown with vegetation and Macadamia nut trees, unable to locate concrete cellar and wellhead.

WELL STATUS/CONDITION:  Well is shut in.

PERSON(s) CONTACTED:  None

OTHER COMMENTS:  Unable to drive to well site, roadway overgrown with vegetation, also "NO Tress" sign posted.

Morris Ota  Date:  Feb. 12, 1988
Inspector
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 6</th>
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</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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<tr>
<td>SITE CONDITION:</td>
<td>Area being used as storage for well drilling rig and equipment, concrete cellar and well head enclosed by fence, area is overgrown with vegetation.</td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate lock broken, gate open, noticed some bldgs up along side of road to well site.</td>
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Morris Ota
Inspector

Date: Feb. 12, 1988
## GEOTHERMAL WELL INSPECTION

<table>
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<tr>
<th>WELL NAME/NO.:</th>
<th>Ashida 1</th>
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<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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</tr>
<tr>
<td>SITE CONDITION:</td>
<td>(Not available)</td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
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<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate locked, unable to enter site for visual inspection.</td>
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**Inspector**  
**Date:**
**GEOTHERMAL WELL INSPECTION**

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho State 1-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site fenced and locked. (Fenced area contains both Kapoho State 1 and 1-A)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in - flow test equipment connected to well head.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>Dough Bell</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Mr. Dough Bell called me and said that he would like to go over the well sites with me.</td>
</tr>
</tbody>
</table>

**Morris Ota**

**Inspector**

**Feb. 12, 1988**
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
( trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Will go over the well sites with Dough Bell to check the well sites later.

Morris Ota. Date: Feb. 12, 1988
Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1 - A wells.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Dough Bell

OTHER COMMENTS: Mr. Dough Bell called me and said that he will be the new manager for geothermo well in Puna representing thermo power co, will call at a later date to make arrangements with me to go the well sites to check.

Morris Ota
Inspector Date: Feb. 13, 1988
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on some pipes and valves, some overflow of brime percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi from HELCO plant operator.

OTHER COMMENTS: Noticed that HELCO painted some of the bad area of pipes where there is rust.

Date: Feb. 13, 1988

Inspector: Norris Ota
### GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th><strong>WELL NAME/NO.</strong></th>
<th>Ashida 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SITE ACTIVITY:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>SITE CONDITION:</strong></td>
<td>(Not available)</td>
</tr>
<tr>
<td><strong>WELL STATUS/CONDITION:</strong></td>
<td>Well is shut in.</td>
</tr>
<tr>
<td><strong>PERSON(s) CONTACTED:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>OTHER COMMENTS:</strong></td>
<td>Access road gate locked, unable to enter site for visual inspection.</td>
</tr>
</tbody>
</table>

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Signature: [Signature]

Date: 1/29/88

Inspector: [Inspector]
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and wellhead enclosed by fence, Area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate lock broken, gate open, noticed some bldgns up along side of road to to well site.

Merris Ota
Inspector

1/29/88
<table>
<thead>
<tr>
<th><strong>WELL NAME/NO.:</strong></th>
<th>Lanipuna 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SITE ACTIVITY:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>SITE CONDITION:</strong></td>
<td>Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate concrete cellar and wellhead.</td>
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<tr>
<td><strong>WELL STATUS/CONDITION:</strong></td>
<td>Well is shut in.</td>
</tr>
<tr>
<td><strong>PERSON(s) CONTACTED:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>OTHER COMMENTS:</strong></td>
<td>Unable to drive to well site, roadway overgrown with vegetation, also &quot;NO Tresspass&quot; sign posted.</td>
</tr>
</tbody>
</table>

**Inspector**

Morris Ota

Date: 1/29/88
### GEOTHERMAL WELL INSPECTION

**WELL NAME/NO.:** Kapoho State 1-A  

**Site condition:** Generally well maintained, well site fenced and locked.  
(fenced area contains both Kapoho State 1 and 1-A)

**SITE ACTIVITY:** None

**WELL STATUS/CONDITION:** Well is shut in - flow test equipment connected to wellhead.

**PERSON(s) CONTACTED:** None

**OTHER COMMENTS:** No on site activity noticed, Robert Kochy said that they hope to get some activity going soon, within three or four months.

---

**Morris Ota**  

**Inspector**  

**Date:** 1/29/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer - type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Used keys to open gate to go in and check, no on site activity noted.

Morris Ota
Inspector

Date: 1/29/88
State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Used keys issued to me to go in and check pressure. Gauge for wellhead showed 500. I was told by Robert Kochy that it is the normal pressure when it reads at 500 and 300 pressure. (KS-1A)


Inspector

Date: 1/29/88
WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on some pipes and valves, some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi from HELCO, plant operator to get permission to inspect site.

OTHER COMMENTS: Noticed extra amount of fumes coming out of the vent pipes, asked the plant operator about this matter and he said that it is normal operation, he said some times it gets that way.
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked, unable to enter site for visual inspection.

Morris Ota
Inspector
Date: 1/15/88
<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL NAME/NO.</td>
<td>Kapoho State 1-A</td>
</tr>
<tr>
<td>SITE ACTIVITY</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION</td>
<td>Generally well maintained, well site fenced and locked.</td>
</tr>
<tr>
<td>WELLS STATUS/CONDITION</td>
<td>Well is shut in - flow test equipment connected to wellhead.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS</td>
<td>No on site activity noticed, company said will try to start working early this year.</td>
</tr>
</tbody>
</table>

Date: 1/15/88

Inspector: Morris Ota
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate open, gate lock broken, saw some men in the well site area doing some work on well rig.

Date: 1/15/88

Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate concrete cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "NO Tresspass" sign posted.

Date: 1/15/88
Inspector: Morris Ota
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES,
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
( trailer - type office located within fenced area ).

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Used key to open gate to go in and check, no site activity noted.

Date: 1/15/88
Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(S) CONTACTED: None

OTHER COMMENTS: Used keys issued to me to go in and check pressure gage, gage for wellhead showed 600 normal pressure should be between 300 and 500 (K5-1A)

Morris Ota

Date: 1/15/88
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on some pipes and valves. Some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi from HELCO, plant operator to get permission to inspect site

OTHER COMMENTS: Saw helco men working there at the plant, asked the men what they are doing, men told me that the main fuse from the panel blew out that caused the power to be out for a few hours.

Inspector

Date: 1/15/88
14 January 1988

Mr. Manabu Tagomori  
Dept. of Land and  
Natural Resources  
Kalanikou Bldg. Rm. 227  
1151 Punchbowl Street  
Honolulu, Hawaii 96813  

Dear Mr. Tagomori:  

In reference to my letter of 27 October 1987, regarding arrangements for regular geothermal well inspections by Mr. Ota, Mr. Bowden has left Hilo. Mr. Douglas Bell (935-3695) is Thermal Power's representative on the Big Island and should be contacted if there are any questions or other problems with the site inspections.  

Of course you or Mr. Ota can always contact me directly if necessary.  

Sincerely yours,  

[Signature]  

RAP/cn/0424A  

cc: Pittenger  
Bell  
Nakaji
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees, unable to locate concrete cellar and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Unable to drive to well site, roadway overgrown with vegetation, also "No Tresspass" signs posted.

Inspector: Morris Ota
Date: 12/31/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate gate unlocked, broken.

Morris Ota
Inspector

Date: 12/31/87
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Ashida 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>(Not available)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate locked, unable to enter site for visual inspection.</td>
</tr>
</tbody>
</table>

Date: 12/31/87
Inspector: Morris Ota
<table>
<thead>
<tr>
<th>GEOTHERMAL WELL INSPECTION</th>
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<td>WELL NAME/NO.:</td>
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<tr>
<td>SITE ACTIVITY:</td>
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<td>SITE CONDITION:</td>
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<tr>
<td></td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
</tr>
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</table>

Inspector: Morris Ota  Date: 12/31/87
GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho - State 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Well site generally well maintained, fenced and locked</td>
</tr>
<tr>
<td></td>
<td>(trailer-type office located within fenced area).</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>used key to open gate to go in and check, no site activity noticed.</td>
</tr>
</tbody>
</table>

Morris Ota
Inspector
Date: 12/31/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES: 55
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells.)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Used keys issued to me to go in and check pressure gauge, gage showed 430 pressure. (KO-1A)
## GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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<tr>
<td>SITE CONDITION:</td>
<td>Area being used as storage for well drilling rig and equipment, concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation.</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate lock broken, unlocked.</td>
</tr>
</tbody>
</table>

**Inspector**

Morris Ota

**Date:** 12/16/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 1</th>
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<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
</tbody>
</table>

| SITE CONDITION:      | Access road and well site overgrown with vegetation and Macadamia nut trees, unable to locate concrete cellar and wellhead. |

| WELL STATUS/CONDITION: | Well is shut in.              |

| PERSON(s) CONTACTED:  | None                        |

| OTHER COMMENTS:       | Unable to drive to well site, roadway overgrown with vegetation, also "No Trespass" signs posted. |

---

Inspector: Morris Ota
Date: 12/16/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
( fenced area contains both Kapoho State 1 and 1 - A. )

WELL STATUS/CONDITION: Well is shut-in, flow test equipment connected to wellhead.

PERSON(s) CONTACTED: Mr. Robert Kochy

OTHER COMMENTS: Went in together with Mr. Robert Kochy, no on site activity noticed, Mr. Kochy said they probably will try and start working by next year.

Inspector Date: 12/16/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer-type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Robert Kochy

OTHER COMMENTS: Went into well site together with Mr. Kochy. No on site activity noticed.

Date: 12/16/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1 - A wells.)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: Mr. Robert Kochy from Thermal Power.

OTHER COMMENTS: Went in to visit well site together with Robert Kochy to check pressure gauge, gauge showed 435 pressure. (K5-1A)

Morris Ota
Inspector

Date: 12/16/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on some pipes and valves, some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Spoke to Levi, HELCO maintenance men to inspect site.

OTHER COMMENTS: Rock muffler repaired, steam being discharged through turbine, normal procedure.

Date: 12/16/87

Morris Ota
Inspector
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Ashida 1</th>
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<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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<tr>
<td>SITE CONDITION:</td>
<td>Well site generally well maintained, fenced and locked.</td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
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<tr>
<td>OTHER COMMENTS:</td>
<td>Acess read gate was open, was able to go, to well site roadway to well site overgrown with vegetation.</td>
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</tbody>
</table>

**Inspector**

**Date:** 12/16/87
<table>
<thead>
<tr>
<th><strong>WELL NAME/NO.:</strong></th>
<th>Ashida 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SITE ACTIVITY:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>SITE CONDITION:</strong></td>
<td>Well site generally well maintained, fenced and locked.</td>
</tr>
<tr>
<td><strong>WELL STATUS/CONDITION:</strong></td>
<td>Well is shut-in.</td>
</tr>
<tr>
<td><strong>PERSON(s) CONTACTED:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>OTHER COMMENTS:</strong></td>
<td>Access road gate locked and &quot;No Entry&quot; and &quot;No Trespass&quot; signs posted. Unable to enter site for visual inspection.</td>
</tr>
</tbody>
</table>

**Inspector**

**Date:** 11/30/87
## GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th>WELL NAME/NO.</th>
<th>Kapoho State 1-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY</td>
<td>None</td>
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</tbody>
</table>

**SITE CONDITION:** Generally well maintained, well site fenced and locked  
(Fenced area contains both Kapoho State 1 and 1 - A.)

<table>
<thead>
<tr>
<th>WELL STATUS/CONDITION</th>
<th>Well is shut-in, flow test equipment connected to wellhead.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PERSON(s) CONTACTED</th>
<th>Mr. Bowden</th>
</tr>
</thead>
</table>

**OTHER COMMENTS:**  
Got keys from Mr. Bowden to drive to well site,  
No on site activity noticed.

---

**Morris Ota**  
Inspector  
**Date:** 11/30/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
( trailer type office located within fenced area. )

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: Mr. Bowden

OTHER COMMENTS: Got keys from Mr. Bowden for main gate to drive to
well site, No on - site activity noticed.

Morris Ota
Inspector

Date: 11/30/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells.)

WELL STATUS/CONDITION: Well is shut - in.

PERSON(s) CONTACTED: Mr. Bowden and Mr. Robert Kochy from Thermal Power wellheads.

OTHER COMMENTS: Got keys from Mr. Bowden to get in to drive my car in. No on-site activity noticed, read a gauge showing I think pressure gauge of 430 pressure. (K5-1A)

Morris Ota
Inspector
Date: 11/30/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Acess road and well site overgrown with vegetation and Macadamia nut trees. Unable to locate concrete cellar and wellhead.

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Tried to drive to site using alternate access road located to the West of site. "No Tresspass" signs were posted and entry was guarded by two dogs. A house was located back among the trees along the acess road.

Morris Ota
Inspector

Date: 11/30/87
STATE OF HAWAII
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment. Concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate unlocked.

Morriss Ota
Inspector

Date: 11/30/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation. Noted steam being discharged from rock muffler system and from steam pressure release valve located in concrete celler adjacent to wellhead.

SITE CONDITION: Rust and corrosion noted on some pipes and valves. Some overflow of brine percolation noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Spoke to HELCO maintenance men.

OTHER COMMENTS: HELCO maintenance men told me that they are just starting to repair the rock muffler, noticed and heard extra loud noise, asked if there were any complaints due to the loud noise, HELCO maintenance men said they went to check with the people leaving around near by and they said no, its O. K.

Morris Ota
Inspector

Date: 11/30/87
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Access road and well site overgrown with vegetation and Macadamia nut trees, Unable to locate concrete cellar and wellhead.</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Tried to drive to site using alternate access road located to the west of site, &quot;No Trespass&quot; signs were posted and entry was guarded by two dogs, A house was located back among the trees along the access road.</td>
</tr>
</tbody>
</table>

Inspector: Morris Ota  
Date: 11/13/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
( trailer type office located within fenced area. )

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: none

OTHER COMMENTS: Access road gate was open, area to the wellsite gate closed.

Date: 11/13/87

Inspector
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and wellhead separately fenced and locked, (Well site contains both Kapoho State 1 and 1 - A Well)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access gate was open at the time I went to check for inspection of well site, was able to drive in, no site activity noticed.

Date: 11/13/87

Inspector
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES:
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Conditions are the same as my previous report, rust and corrosion noted on some pipes and valves, some overflow of brime percolation ponds noted, nothing extra unusual noticed.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: None.

OTHER COMMENTS: The power plant seems to that it is in normal operation, no extra amount of steam discharg noticed.

Morris Ota
Inspector

Date: 11/13/87
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Ashida 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
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<tr>
<td></td>
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</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Well site generally well maintained, fenced and locked.</td>
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<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
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<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
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</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Conditions are the same as my previous report, roadway to well site and outside of fenced well site area overgrown with vegetation, Was very lucky gate was open so took a chance and drove in.</td>
</tr>
</tbody>
</table>

**Inspector**

Morris Ota

**Date:** 11/13/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked
(fenced area contains both Kapoho State 1 and 1-A.)

WELL STATUS/CONDITION: Well is shut in, flow test equipment connected to wellhead.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked, tried to use alternate access road from HWY 132, north of site, Unable to drive with passenger vehicle as roadway is poorly maintained and overgrown with vegetation.

Morris Ota
Inspector

Date: 11/13/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment, concrete cellar and wellhead enclosed by fence, area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate unlocked.

Morris Ota
Inspector

Date: 11/13/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Stopped a truck driver coming out of access road gate entrance and asked to get permission to go in to inspect well site, truck driver let me in just for that day, went down to well site and took one picture of the sign, picture not clear due to bad weather conditions, very dark clouds.

Morris Ota
Inspector

Date: 10-15-87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
(Fenced area contains both Kapoho State 1 and 1-A.)

WELL STATUS/CONDITION: Well is shut-in, flow test equipment connected to wellhead.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked, tried to use alternate access road from Hwy 132, north of the site, Unable to drive with passenger vehicle as roadway is poorly maintained and overgrown with vegetation.

Morris Ota
Inspector
Date: 10-15-87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment. Concrete celler and wellhead enclosed by fence. Area is overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Acess road gate unlocked.

Morris Ota
Inspector
Date: 10-15-87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Acess road and well site overgrown with vegetation and Macadamia nut trees. Unable to locate concrete celler and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Tried to drive to site using alternate acess road located to the west of site. "No Trespass" signs were posted and entry was guarded by two dogs. A house was located back among the trees along the access road.
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Acess road gate locked.

Morris Ota
Inspector

Date: 10-15-87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.:  Kapoho - State 1

SITE ACTIVITY:  None

SITE CONDITION:  Generally well maintained, well site and wellhead separately fenced and locked. (well site contains both Kapoho State 1 and 1-A well.)

WELL STATUS/CONDITION:  Well is shut-in

PERSON(s) CONTACTED:  None

OTHER COMMENTS:  Access gate locked, walked to site for visual inspection. No site activity noticed.

Date:  10-15-87

Inspector  Morris Ota
Some overflow of brine percolation ponds noted.

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrosion noted on some pipes and valves.
                 Some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Spoke to security guard on duty to get permission to enter and inspect site.

OTHER COMMENTS: No steam seems to be discharged through rock muffler which means that it is the normal procedure.

Morris Cta
Inspector

Date: 10-15-87
January 6, 1987

Mr. Frank Kennedy
Manager of Production
Hawaii Electric Light Co., Inc.
P.O. Box 1027
Hilo, Hawaii 96721-1027

Dear Mr. Kennedy:

The Division of Water and Land Development would like to advise you that henceforth all notifications of scheduled free venting of the HGP-A well should be made in writing to our office.

Such notifications should be addressed to me, P.O. Box 373, Honolulu, Hawaii 96809, and made in a timely manner in order for us to have our Hilo representative, Mr. Morris Ota, inspect the venting.

In an emergency, requiring immediate venting of the well, please contact me directly at 548-7533.

Thank you for your cooperation in this matter.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

DN:ko
MEMORANDUM FOR THE RECORD

FROM: Dean Nakano

SUBJECT: HGP-A Plant Shut Down and Free Venting of Well

On November 2, 1987, Norman Uchida of Hawaii Electric Light Company (HELCO) notified our office that the HGP-A geothermal facility would be temporarily shut down for maintenance on 11/4/87 and that the well would be free vented for 8 hours from 7:00 am to 3:00 pm.

Mr. Uchida also confirmed that the Department of Health and the County Planning Department had been properly notified regarding the scheduled venting of the well.

We thanked Mr. Uchida for the information and requested that he keep our office posted should there be any changes to the schedule maintenance.

Dean Nakano
Mr. Manabu Tagomori  
Dept. of Land and  
Natural Resources  
Kalaninoku Bldg. Rm. 227  
1151 Punchbowl Street  
Honolulu, Hawaii  96813

Dear Mr. Tagomori:

In accordance with the request in your letter dated October 7th, Thermal Power will provide keys to allow Mr. Morris Ota access to the geothermal well sites for the Puna Geothermal Venture. I have made arrangements with Mr. Buddy Bowden, our representative in Hilo, (who can be reached at 935-0861 extension 115) to duplicate the keys and provide them directly to Mr. Ota.

It would probably be helpful if Mr. Oda and Mr. Bowden conducted the first inspection jointly so that the condition of the well sites can be understood by both parties and any questions about activities at our project can be answered. I will call Mr. Matsumoto to arrange an initial meeting between Mr. Bowden and Mr. Ota.

If there are any further questions or a need for further arrangements for the inspections, please do not hesitate to contact me.

Sincerely yours,

Ralph A. Patterson, Jr.
Hawaii Project Manager
November 9, 1987

Mr. E.C. Craddick, President
Barnwell Geothermal Corporation
2828 Paa Street, Suite 2085
Honolulu, Hawaii 96819

Dear Mr. Craddick:

Thank you for your recent letter advising us of the status of geothermal wells - Lanipuna 1, 6 and Ashida 1.

The Department acknowledges your commitment to monitor and properly maintain the well sites and we look forward to your clearing the sites for adequate access and inspection as soon as possible.

Our DOWALD representative, Mr. Morris Ota, will be contacting your local office in Hilo to make arrangements in gaining access to the well sites for our bi-monthly inspections.

Your cooperation is greatly appreciated.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer
Mr. Manabu Tagomori  
Manager-Chief Engineer  
State of Hawaii  
Department of Land and Natural Resources  
Division of Water and Land Development  
P. O. Box 373  
Honolulu, Hawaii 96809  

Reference: Geothermal Wells - Hawaii  
Your Letter of October 9, 1987

Dear Mr. Tagomori:

All wells listed in your letter continue to have a potential use, and represent a total investment of approximately $7,000,000. As you know the geothermal program for all developers has progressed very slowly due to market and other conditions, however, this appears to be temporary and we are hopeful that with the continued rise in oil price that development will accelerate. Meanwhile, we have tried to keep costs to a minimum but do not want this to be construed as abandonment.

The wells all have potential uses for injection and monitoring well, and should be continued in this category.

In addition, the Hawaii Volcanic Observatory has requested that these wells should remain open indefinitely and kept available for scientific observation purposes.

We will inspect the sites and see what can be done about overgrowth vegetation so that access may be easier.

Please contact our field office in Hilo, Phone No. 969-1648, for assistance in gaining access or in answering questions concerning these sites and we will be happy to assist.

Very truly yours,

E. C. Craddick  
President

ECC/sm  

cc: W. R. Craddick - Hilo, Hawaii
WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Truck driver gave me permission the second time to drive in and inspect the well site, well site sign about a hundred yds away from well site. Part of roadway to well site overgrown with vegetation.

Date: 10 - 30 - 87

Inspector

Morris Ota
# GEOTHERMAL WELL INSPECTION

<table>
<thead>
<tr>
<th><strong>WELL NAME/NO.:</strong></th>
<th>HGP-A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SITE ACTIVITY:</strong></td>
<td>Well and power plant in operation.</td>
</tr>
<tr>
<td><strong>SITE CONDITION:</strong></td>
<td>Rust and corrosion noted on some pipes and valves.</td>
</tr>
<tr>
<td></td>
<td>Some overflow of brine percolation ponds noted.</td>
</tr>
<tr>
<td><strong>WELL STATUS/CONDITION:</strong></td>
<td>Well in operation</td>
</tr>
<tr>
<td><strong>PERSON(s) CONTACTED:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>OTHER COMMENTS:</strong></td>
<td>It seems to me that the plant is in normal operation, no steam discharged through rock muffler.</td>
</tr>
</tbody>
</table>

**Inspector:** Morris Ota  
**Date:** 10 - 30 - 87
WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and wellhead separately fenced and locked. (well site contains both Kapoho State 1 and 1 - A well.)

WELL STATUS/CONDITION: Well is shut-in

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access gate was open at this date 10 - 30 - 87 was able to drive in. No on site activity noticed.

Morris Ota
Inspector
Date: 10 - 30 - 87
<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Kapoho State 1-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Generally well maintained, well site fenced and locked.</td>
</tr>
<tr>
<td></td>
<td>(Fenced area contains both Kapoho State 1 and 1-A.)</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut-in, flow test equipment</td>
</tr>
<tr>
<td></td>
<td>connected to wellhead.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Gate locked, tried to use alternate access road from HWY 132, north of site, Unable to drive with passenger vehicle as roadway is poorly maintained and overgrown with vegetation.</td>
</tr>
</tbody>
</table>

Date: 10-30-87
Inspector
Morris Ota
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked
(trailer type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate was open.

Morris Ota
Inspector

Date: 10 - 30 - 87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Acess road and well site overgrown with vegetation and Macadamia nut trees. Unable to locate concrete celler and wellhead.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Tried to drive to site using alternate acess road located to the west of site. "No Trespass" signs were posted and entry was guarded by two dogs. A house was located back among the trees along the acess road.

Morris Ota
Inspector
Date: 10 - 30 - 87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

<table>
<thead>
<tr>
<th>WELL NAME/NO.:</th>
<th>Lanipuna 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ACTIVITY:</td>
<td>None</td>
</tr>
<tr>
<td>SITE CONDITION:</td>
<td>Area being used as storage for well drilling rig and equipment. Concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation.</td>
</tr>
<tr>
<td>WELL STATUS/CONDITION:</td>
<td>Well is shut in.</td>
</tr>
<tr>
<td>PERSON(s) CONTACTED:</td>
<td>None</td>
</tr>
<tr>
<td>OTHER COMMENTS:</td>
<td>Access road gate unlocked.</td>
</tr>
</tbody>
</table>

**Morris Ota**  
Inspector  
Date: 10 - 30 - 87
October 9, 1987

Mr. E. C. Craddick, President
Barnwell Geothermal Corporation
2828 Paa Street, Suite 2085
Honolulu, Hawaii 96816

Dear Mr. Craddick:

In accordance with Section 13-183-6 of the Department of Land and Natural Resources' Administrative Rules on the Leasing and Drilling of Geothermal Resources, our Department recently conducted site inspections of the following geothermal wells drilled by your firm:

Lanipuna No. 1

It was noted that the original access road is overgrown with vegetation and macadamia nut trees. Our personnel were unable to reach the well and concrete cellar due to the thick overgrowth. Whether or not the well and concrete cellar are properly fenced or otherwise protected could not be determined.

The entrance to the alternate access road was found posted with "No Trespass" signs and guarded by two dogs. A house or temporary shelter was noted back among the trees.

Lanipuna No. 6

The gate to the access road was found open and the site vacant at the time of inspection. The well site is apparently being used for storage of well drilling equipment. The well and concrete cellar are enclosed by a fence. However, the area is overgrown with vegetation.

Ashida No. 1

The access road gate was locked and "No Entry" and "No Trespass" signs were posted at the entrance. We were unable to inspect the well site due to inaccessibility.

According to your letter dated March 2, 1987, these three wells were being considered for possible use as geothermal injection wells. However, according to Section 13-183-80 of the Department's Administrative Rules, the wells must be properly maintained and provisions made for access and inspection by our Department.
Also, under Section 13-183-82 of the Administrative Rules, the operator of any well shall promptly plug and abandon any well that is deserted, not in use, or is deemed not to be potentially useful. Since all three wells appear to be deserted, not in use, and potentially not useful in the foreseeable future, we request you advise us why the wells should not be sealed and abandoned, in accordance with the Department's Administrative Rules.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

DN:DL:dh
October 7, 1987

Mr. Ralph A. Patterson
Project Manager
Thermal Power Company
220 South King Street, Suite 1750
Honolulu, Hawaii 96813

Dear Mr. Patterson:

In accordance with Section 13-183-6 of the Department of Land and Natural Resources' Administrative Rules on the Leasing and Drilling of Geothermal Resources, our Division will begin conducting bi-weekly inspections of geothermal wells--Kapoho State No. 1, 2, and 1-A.

Since vehicular access to the wells would facilitate inspection, we respectfully request a key to the access gate at the geothermal project site for use by our inspector on Hawaii, Mr. Morrie Ota.

We look forward to your consideration and cooperation on this matter. Should you have any questions, please contact Mr. George Matsumoto at 548-7619.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

DN:DL:dh
October 2, 1987

MEMORANDUM

TO: Morris Ota
VIA: Linford Chang L.C.
FROM: Manabu Tagomori
SUBJECT: Geothermal Well Inspection Reports

As a followup on your orientation field trip with Dean Nakano on September 14, 1987 and your telecom with Linford Chang today, this memorandum will confirm our need for regular twice-a-month site inspections of the geothermal wells in the Puna District.

I understand that the inspections will be made as part of your regular trips to Hilo. As already outlined to you, please submit your inspection reports on a regular, timely basis to me on the forms provided.

Thank you for all the help and cooperation.

MANABU TAGOMORI

DL: dh
Checked job no 42 - H - W - E  Olaa reservoir
Went to check with cont. to make sure that they dud nât remove the request forms out before the two weeks curing date, special by water supply, also checked to see that cont. had the cylinders in water.

Checked job no. 22 - H - W - E  Olaa well
Checked to see how deep they went down and also to check the hole as to how strait it is and picked up some drilling samples also the drilling log.

Went to check job no 90 - Hp & A  Lava tree Park
Went check the park for Hon. office as per request by Hon. office about relocating the cesspool, to check the new proposed location for space, had to do some measuring.
September 14, 1987

MEMORANDUM FOR THE RECORD

FROM: Dean Nakano

SUBJECT: Geothermal Well Inspection

On September 9, 1987, I met with Morris Ota in Hilo to show him the existing geothermal well sites located in Puna, Hawaii. Morris will be conducting monthly inspections of the seven wells drilled to date and will forward the results of his inspections on forms provided by our office.

Advance notice to the respective geothermal developers will be required in order to provide vehicular access to the sites. The results of our inspection are noted on the attached forms and map for each inspected well.

Nobu Kaneshiro and Alan Takeya (State Parks) joined us on the field trip to familiarize themselves with the existing geothermal facilities.
STATE OF HAWAII
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation. Noted steam being discharged from onsite rock muffler system and from steam pressure release valve located in concrete cellar adjacent to wellhead.

SITE CONDITION: Rust and corrosion noted on some pipes and valves. Some overflow of brine percolation ponds noted.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Spoke to HELCO maintenance personnel to get permission to inspect site.

OTHER COMMENTS: Release of steam through rock muffler during plant operation not normal procedure. This probably indicates that turbine was in the "start up" mode and not in full operation, although this was not confirmed.

Dean Nakano
Inspector

Date: 9/10/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1-A

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site fenced and locked.
(Fenced area contains both Kapoho State 1 and 1-A.)

WELL STATUS/CONDITION: Well is shut-in, flow test equipment connected to wellhead.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked, tried to use alternate access road from Hwy 132, north of the site. Unable to drive with passenger vehicle as roadway is poorly maintained and overgrown with vegetation.

Dean Nakano
Inspector

Date: 9/10/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead separately fenced and locked. (Well site contains both Kapoho State 1 and 1-A wells.)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access gate locked, walked to site for visual inspection. No on-site activity noticed.

Signed: 
Dean Nakano
Inspector
Date: 9/10/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

SITE CONDITION: Well site generally well maintained, fenced and locked.
(Trailer-type office located within fenced area.)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked.

Dean Nakano
Inspector
Date: 9/10/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 1

SITE ACTIVITY: None

SITE CONDITION: Access road and well site overgrown with vegetation and macadamia nut trees. Unable to locate concrete cellar and wellhead (see attached photos).

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Tried to drive to site using alternate access road located to the west of site. "No Trespass" signs were posted and entry was guarded by two dogs. A house was located back among the trees along the access road.

Dean Nakano
Inspector
Date: 9/10/87
State of Hawaii
DEPARTMENT OF LAND & NATURAL RESOURCES
Division of Water & Land Development

GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and equipment. Concrete cellar and wellhead enclosed by fence. Area is overgrown with vegetation (see attached photos).

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate unlocked.

Dean Nakano
Inspector
Date: 9/10/87
GEOTHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: (Not available due to inaccessibility.)

SITE CONDITION: (Not available)

WELL STATUS/CONDITION: Well is shut-in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Access road gate locked and "No Entry" and "No Trespass" signs posted. Unable to enter site for visual inspection.

Dean Nakano
Inspector

Date: 9/10/87