

geothermal well  
inspection

RECEIVED

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

89 AUG 24 A 8:40

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: None

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

Morris Ota  
Inspector

Date: July 31, 1989

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

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03 AUG 24 A 8:41

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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 is gone.

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked

*Morris Ota*  
Morris Ota

Inspector

Date: July 31, 1989



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

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89 AUG 24 A 8: 41

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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 HGPA plant had a power outage on July 23 , 1989  
power was out overnight, people called to check to find out about what  
happening at the plant.

Morris Ota  
Morris Ota  
Inspector

Date: July / 31 / 1989

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

89 AUG 24 A 8:41

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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*  
Morris Ota

Inspector

Date: July 31, 1989



GEO THERMO HGFA





GEO THERMO

HGPA



RECEIVED

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

89 JUL 21 A 8:41

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
Morris Ota  
Inspector

Date: 6 / 30 / 89

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

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83 JUL 21 8:41

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
M. Morris Ota

Inspector

Date: 6 / 30 / 89

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

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89 JUL 21 A 8: 41

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
Morris Ota

Inspector

Date: 6 / 30 / 89

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

89 JUL 21 A 8: 42

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 crain is gone and there is a  
bulldozer in that area, noticed that the bulldozer dought 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*  
Morris Ota

Inspector

Date: 6 / 30 / 89



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

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89 JUN 28 A 8: 57

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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 pipwes and corrosion.

WELL STATUS/CONDITION: Well in operation

PERSON(s) CONTACTED: Levi, power plant operator

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

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 31 / 89

RECEIVED

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

89 JUN 28 A 8: 57

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 31 / 89

RECEIVED

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

89 JUN 28 A 8: 57

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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*  
Morris Ota

Inspector

Date: 5 / 31 / 89

RECEIVED

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

89 JUN 28 A 8: 57

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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



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

89 MAY 12 A 8:06

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 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*  
Morris Ota

Inspector

Date: 4 / 30 / 89

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

59 MAY 12 A8:07

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
separetly 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*  
Morris Ota

Inspector

Date: 4 / 30 / 89

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

RECEIVED

MAY 12 A 8:07

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota  
Inspector

Date: 4 / 30 / 89

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

99 MAY 12 A 8:07

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 happaned in the morning at about 5- 30 in the morning.

Morris Ota  
Morris Ota  
Inspector

Date: 4 / 30 / 89



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89 MAY 1 9:54

April 28, 1989

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
MORRIS OTA

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

89 APR 20 A 8:46

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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  
Morris Ota

Inspector

Date: 3 / 31 / 89

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

APR 20 8:47

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
separetely 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*  
Morris Ota

Inspector

Date: 3 / 31 / 89

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

39 APR 20 A 8:47

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

Mowata  
Morris Ota  
Inspector

Date: 3 / 31 / 89



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

89 APR 20 A 8:47

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 3 / 31 / 89

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

89 MAR 22 12: 58

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Kapohp 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 guage, the PSI reading was 525  
spoke to Robert Kochy and he said the compan~~ies~~ manager was Mr. Bronstein  
he is working with the County of Hawaii to get the necessary permits to operate.

*Morris Ota*  
Morris Ota

Inspector

Date: 2 / 28 / 89

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

59 MAR 22 P12: 58

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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  
Morris Ota  
Inspector

Date: 2 / 28 / 89

RECEIVED

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

89 MAR 22 P12: 58

GEOHERMAL WELL INSPECTION DIV. OF WATER &  
LAND DEVELOPMENT

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.

Morris Ota  
Morris Ota

Inspector

Date: 2 / 28 / 89



RECEIVED

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

89 MAR 22 12:58

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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, 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*  
Morris Ota

Inspector

Date: 2 / 28 / 89

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

99 FEB 15 A 8:43

GEOHERMAL WELL INSPECTION **DIV. OF WATER &  
LAND DEVELOPMENT**

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: Robeet Kochy

OTHER COMMENTS: Went in and checked the guage, 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*  
Morris Ota

Inspector

Date: 1 / 31 / 89

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

89 FEB 15 A 8:43

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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 site.

Morris Ota  
Morris Ota  
Inspector

Date: 1 / 31 / 89

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

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89 FEB 15 8:43

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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.

Morris Ota  
Inspector

Date: 1 / 31 / 89



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

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89 FEB 15 A 8:43

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 1 / 31 / 89

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

RECEIVED

JAN 18 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 guage, the PSI was 400, Mr. Robert  
Cochy just released the preassure about two days ago, Mr. Cochy told me that  
the new company should start as soon as they get the paper work and clearence  
they will start working, he is just waiting.

*Morris Ota*  
Morris Ota

Inspector

Date: 12 / 30 / 88

RECEIVED

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

JAN 18 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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

*Morris Ota*  
Morris Ota

Inspector

Date: 12 / 30 / 88

RECEIVED

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

99 JAN 18 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 12 / 30 / 88



RECEIVED

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

JAN 18 A 8:31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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, HELLO plant operator.

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

*Morris Ota*  
Morris Ota  
Inspector

Date: 12 / 30 / 1988

RECEIVED

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

20 NOV 16 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 guage, 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*  
Morris Ota

Inspector

Date: 10 - 31 - 88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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 and check the well site.

*Monsata*  
Morris Ota

Inspector

Date: 10 - 31 - 88

RECEIVED

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

NOV 16 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota  
Inspector

Date: 10 - 31 - 88



RECEIVED

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

NOV 16 A 8:31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 10 - 31 - 88

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

RECEIVED

88 OCT 18 A 8:31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 guage, 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*  
Morris Ota

Inspector

Date: 9 / 30 / 88

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

58 OCT 18 A 8:31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately locked and fenced, ( well site contains bothe 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*  
Morris Ota

Inspector

Date: 9 / 30/ 88

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

OCT 18 A 8:31  
DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

( trailer type office located within fenced area. )

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WELL STATUS/CONDITION: Well is shut in.

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\_\_\_\_\_  
\_\_\_\_\_

PERSON(S) CONTACTED: None

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OTHER COMMENTS: Gate locked

*M. Ota*  
Morris Ota

Inspector

Date: 9 / 30 / 88



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

RECEIVED

58 OCT 18 A 8: 31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation

SITE CONDITION: Rust and corrodion 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*  
Morris Ota

Inspector

Date: 9 / 30 / 88

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

18 SEP 19 P 1: 09

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
Morris Ota  
Inspector

Date: 8 / 31 / 88

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

98 SEP 19 P 1: 09

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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 sites.

*Morris Ota*  
Morris Ota

Inspector

Date: 8 / 31 / 88

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

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SEP 19 1:09

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
AND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 8 / 31 / 88



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 8 / 31 / 88

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

62 AUG 8 A 8:34

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None.

SITE CONDITION: Generally well maintained, well site and well head  
seperately 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 guage, the reading on  
the guage was 400 degree, reason, because it did not release pressure. (KS-14) ✓

Morris Ota  
Inspector

Date: 7 / 29 / 88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 fence area.)

WELL STATUS/CONDITION: Well is shut in.

PERSON(s) CONTACTED: None

OTHER COMMENTS: Gate locked.

Morris Ota  
Morris Ota  
Inspector

Date: 7 / 29 / 88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 ahead.

PERSON(S) CONTACTED: None

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

Morris Ota  
Morris Ota  
Inspector

Date: 7 / 29 / 88



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

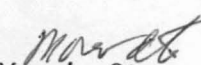
SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and correction noted on most of the pipes and valves. Noticed that the company 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, due to the fact that the Supervisor said they are now in the process of negotiating with another company very shortly.

  
Morris Ota  
Inspector

Date: 7 / 29 /88

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

A 8:08

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 30 / 88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 30 /88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*M. Ota*  
Morris Ota

Inspector

Date: 6 / 30 / 88



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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES A 8: 08  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 well head.

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*  
Morris Ota

Inspector

Date: 6 / 30 / 88

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

88 JUL 8 A 8:15

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 6 / 30 / 88

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

RECEIVED

88 JUL 8 A 8:15

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None.

SITE CONDITION: Generally well maintained, well site and wellhead  
seperately 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 guage, the reading on the  
guage was 350 degree, it is normal, due to the fact that they released the pressure.

(KS-1A) ✓

Morris Ota  
Morris Ota

Inspector

Date: 6 / 30 / 88

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

88 JUL 8 A 8:15

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 30 / 88



Alan

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Water and Land Development  
P.O. Box 373  
Honolulu, Hawaii 96809

June 29, 1988

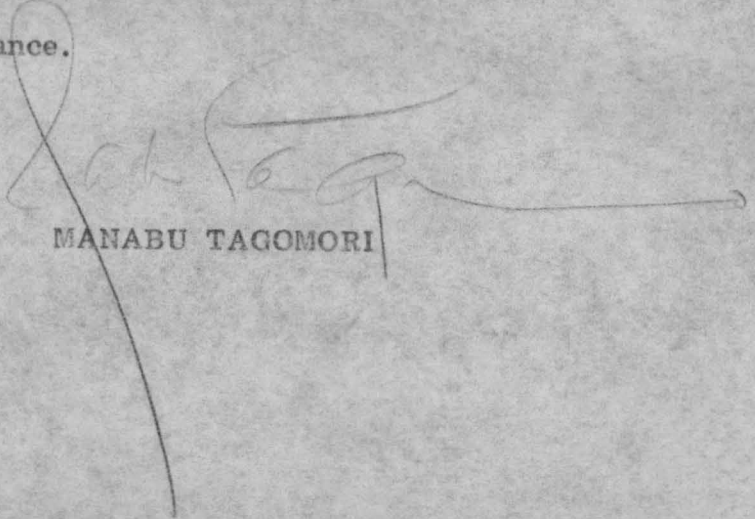
MEMORANDUM

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

  
DN:DL:ko

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

GEOHERMAL 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 noyed, co 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 6 / 15 / 88

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

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well mainted. Well site and wellhead  
seperately 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 guage, the reading on the guage  
was 375 degree, high because they did not release the pressure. (KS-1A) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 6 / 15 / 88

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

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 15 / 88



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

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 15 / 88

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

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

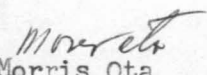
SITE ACTIVITY: None

SITE CONDITION: Area being used as storage for well drilling rig and  
equipment, concrete cwellar 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 / 15 / 88

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

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 6 / 15 / 88

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

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

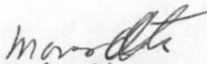
SITE ACTIVITY: ( Not available due to inaccessibility . )

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: 6 / 15 / 88



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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: ( Not availiable due to inaccessibility. )

SITE CONDITION: ( Not availiable. )

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*  
Morris Ota

Inspector

Date: 5 / 31 / 88

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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 31 / 88

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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 31 / 88

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

JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 31 / 88

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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 31 / 88



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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEO THERMAL 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 guage, the reading was 350  
degree, it was low because they went and released the pressure. (K3-1A)

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 31 / 88

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

88 JUN 23 A 7: 52

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and <sup>power</sup> ~~power~~ plant in operation.

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

*Morris Ota*  
Morris Ota

Inspector

Date: 5/ 31/ 88

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

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 13 / 88

DIV. OF WATER &  
LAND DEVELOPMENT

98 JUN 15 A10:15

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

GEOHERMAL 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 checked the well  
sites.

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 13 / 88

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

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 13 / 88



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

GEOHERMAL 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 cwlilar 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*  
Morris Ota

Inspector

Date: 5 / 13 / 88

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

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 5 / 13 / 88

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

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead  
separetely 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 guage, the reading was 400  
degrees, it is high because they didn't release the pressure. (KS-1A) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 13 / 88

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

GEOHERMAL 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 briem 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 5 / 13 / 88

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

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MAY 6 A 8:22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: ( Not availiable due to inaccessibility. )

SITE CONDITION: ( Not availiable )

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*  
Morris Ota

Inspector

Date: 4 / 29 / 88



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

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MAY 6 8:22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 4 / 29 / 88

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

MAY 6 8 22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

Morriss Ota  
Inspector

Date: 4 / 29 / 88

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

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DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Tres Pass " sign posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 4 / 29 / 88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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



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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

MAY 6 A 8:22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 1

SITE ACTIVITY: None

SITE CONDITION: Generally well maintained. Well site and wellhead  
separetely 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. (KS-1A) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 4 / 29 / 88



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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 beime 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 4 / 29 / 88

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

APR 26 A 8:21

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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.

WELL STATUS/CONDITION: Well in operation.

PERSON(s) CONTACTED: Levi and another foremen from HELCO.

OTHER COMMENTS: HELCO foremensaid that they are trying to change as  
many pipes as possible, not enough manpower.

Met Roy Nakanishi from Natural Energy Laboratory of Hawaii, they are doing  
a lot of resherch work there.

Morris Ota  
Morris Ota  
Inspector

Date: 4 / 15 / 88

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

DIV. OF WATER &  
LAND DEVELOPMENT  
GEOHERMAL 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 guage, the reading was 450  
degree, it was high because it has some pressure in the well, they release the  
pressure every two weeks. (KS-1A) ✓

Morris Ota  
Inspector

Date: 4/15/88

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

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88 APR 26 4 8: 22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 4 / 15 / 88



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

APR 26 A 8: 22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 4 / 15 / 88



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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

88 APR 26 A 8:22

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 4 / 15 / 88

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

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88 APR 26 A 8: 22

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 4 / 15 / 88

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

20 APR 13 A 8:34

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 3 / 31 / 88



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

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APR 13 A 8: 34

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

M. Ota  
Morris Ota  
Inspector

Date: 3/ 31 / 88



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

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LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 3 / 31 / 88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

88 APR 13 A 8:34

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.  
Noticed that some one is doing some work around the area.

*Morris Ota*  
Morris Ota

Inspector

Date: 3 / 31 / 88

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Fess " sign posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 3 / 31 / 88

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

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88 APR 13 A 8: 34

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 3 / 31 / 88



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

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DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 guage, 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*  
Morris Ota

Inspector

Date: 3/31/88



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

MAR 31 A 7: 53

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 3/15/88

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

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88 MAR 31 A 7: 53

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 3/15/88

RECEIVED

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

88 MAR 31 A 7: 53

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: 3/15/88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

00 MAR 31 A 7: 53

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 3/15/88



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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

50 MAR 31 A 7:53

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LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 3/15/88



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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES A 7: 53  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: Robert Kochy.

OTHER COMMENTS: Went and read the pressure guage 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 arraingements to see it when they do the next test. (KS-1A) ✓

Morris Ota  
Morris Ota  
Inspector

Date: 3/15/88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

MAR 31 A 7: 53

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 brime percolation pomds 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 resherch work.

*M. Ota*  
Morris Ota

Inspector

Date: 3/15/88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 2 / 27 / 88

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

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DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Lanipuna 6

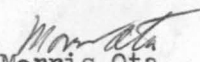
SITE ACTIVITY: None

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

  
Morris Ota

Inspector

Date: 2/ 27 / 88



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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 2/ 27/88



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 2/ 27/ 88

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DEPARTMENT OF LAND & NATURAL RESOURCES  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 2/27/88

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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 10  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: Tried to contack 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 2/27/88

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

RECEIVED

90 MAR 9 A 8:10

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 a little more of the pipes  
that has rust. Saw some people working around the out side 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 resherch work.

*Morris Ota*  
Morris Ota

Inspector

Date: 2/27/88

RECEIVED

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

88 FEB 26 A 7: 59

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: Feb. 12, 1988



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

DIV. OF WATER &  
LAND DEVELOPMENT

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

Morris Ota  
Inspector

Date: Feb. 12, 1988

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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES : 59  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

SITE CONDITION: ( Not availiable )

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

Date: \_\_\_\_\_

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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 7:59  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 )

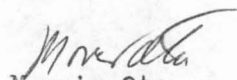
WELL STATUS/CONDITION: Well is shut in - flow test equipment

connected to well head.

PERSON(S) CONTACTED: Dough Bell

OTHER COMMENTS: Mr. Dough Bell called me and said that he would

like to go over the well sites with me.

  
Morris Ota

Inspector

Date: Feb. 12, 1988

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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES: 59  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Kapoho - State 2

SITE ACTIVITY: None

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

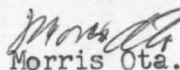
( trailer type office located within fenced arer. )

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.

Inspector

Date: FEB. 12, 1988

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: Feb.13, 1988

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: 1/29/88

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

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08 FEB 8 A 8:29

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/29/88

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

80 FEB 8 A 8:29

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Trespass " sign posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/29/88

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

FEB 8 A 8:29

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 1/29/88



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
Morris Ota  
Inspector

Date: 1/29/88

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

APR 8 1988 8:29

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
guage, guage 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) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 1/29/88

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

80 JUL 8 A 8: 29

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Rust and corrotion 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 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.

*Morris Ota*  
Morris Ota  
Inspector

Date: 1/29/88

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

JAN 20 A 8:50

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 1/15/88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: No on site activity noticed, company said will  
try to start working early this year.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/15/88



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/15/88

RECEIVED

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

80 JAN 20 A 8:50  
DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Trespass " sign posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/15/88

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

88 JAN 20 A 8:50

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 1/15/88

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 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  
guage, gage for wellhead showed 600 normal pressure should be between 300 and  
500 (KS-1A) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 1/15/88

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

00 JAN 20 A 8:51

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

Morris Ota  
Morris Ota  
Inspector

Date: 1/15/88





**Diamond Shamrock**  
Thermal Power Company

RECEIVED

88 JAN 15 P 1:52  
Ralph A. Patterson, Jr.  
Hawaii Project Manager

DIV. OF WATER &  
LAND DEVELOPMENT

14 January 1988

Mr. Manabu Tagomori  
Dept. of Land and  
Natural Resources  
Kalanimoku 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,

*Ralph Patterson*

RAP/cn/0424A

cc: Pittenger  
Bell  
Nakaji

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

89 JAN 8 A7:54

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Trespass " signs posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/31/87

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88 JAN 8 A 7: 54

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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, broken.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/31/87

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

88 JAN 8 A 7: 54

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 12/31/87

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

88 JAN 8 A 7: 54

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: No on site activity noticed, company said will  
try to start working early next year.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/31/87



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

88 JAN 8 A 7: 55

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 noticed.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/ 31/87

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State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES : 55  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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. (KS-1A) ✓

*Morris Ota*  
Morris Ota  
Inspector

Date: 12/31/87

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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, unlocked.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/16/87

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 Trespass " signs posted.

*Morris Ota*  
Morris Ota

Inspector

Date: 12/16/87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 wquipment  
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 theyn probably will try and start  
working by next year.

Morris Ota  
Inspector

Date: 12/16/87



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

Morris Ota  
Inspector

Date: 12/16/87

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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. ~~Ed~~ 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. (KS-1A) ✓

*Morris Ota*  
Morris Ota  
Inspector

Date: 12/16/87

RECEIVED

State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 47  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: Spoke to Levi, HELCO maintenance men to  
inspect site.

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

*Morris Ota*  
Morris Ota  
Inspector

Date: 12/16/87

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

DEC 30 A 7: 47

DIV. OF WATER &  
GEOHERMAL WELL INSPECTION LAND DEVELOPMENT

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: Access road gate was open, was able to go to well site  
roadway to well site overngrown with vegetation.

*Morris Ota*  
Morris Ota

Inspector

Date: 12//16/87

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

DEC 8 11:42

DIV. OF WATER &  
LAND DEVELOPMENT

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

*Morris Ota*  
Morris Ota  
Inspector

Date: 11 / 30 / 87



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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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. Bowden

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

*Morris Ota*  
Morris Ota

Inspector

Date: 11 / 30 / 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 11/ 30/ 87

RECEIVED

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

NOV 9 8 42

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 guage showing I bthink pressure guage  
of 430 pressure. (KS-1A) ✓

*Morris Ota*  
Morris Ota

Inspector

Date: 11/ 30/ 87

RECEIVED

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

DEC 8 A 8:42

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: 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.

*Morris Ota*  
\_\_\_\_\_  
Morris Ota  
Inspector

Date: 11/30 / 87

RECEIVED

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

DEC 8 A 8:42

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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: Access road gate unlocked.

*Morris Ota*  
Morris Ota

Inspector

Date: 11/ 30 / 87



RECEIVED

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

DEC 9 A 8:42

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 brime 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*  
Morris Ota

Inspector

Date: 11 / 30 / 87

RECEIVED

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

NOV 30 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 celler 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 Trespass " signs were posted and entry was  
guarded by two dogs, A house was located back among the trees along the access road.

Morris Ota  
Inspector

Date: 11 / 13/ 87

RECEIVED

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

NOV 30 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota  
Inspector

Date: 11/13 / 87

RECEIVED

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

NOV 30 A 8:30

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 11 / 13 / 87

RECEIVED

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

NOV 30 A 8:30  
DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

SITE ACTIVITY: Well and power plant in operation.

SITE CONDITION: Conditions are the same as my preveous 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 <sup>me</sup> that it is in normal operation  
no extra amount of steam discharg noticed.

*Morris Ota*  
Morris Ota

Inspector

Date: 11 / 13 / 87



RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: Ashida 1

SITE ACTIVITY: None

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

WELL STATUS/CONDITION: Well is shut in.

\_\_\_\_\_  
\_\_\_\_\_

PERSON(S) CONTACTED: None

\_\_\_\_\_  
\_\_\_\_\_

OTHER COMMENTS: Conditions are the same as my preveous 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.

\_\_\_\_\_  
\_\_\_\_\_

*Morris Ota*  
Morris Ota

\_\_\_\_\_  
Inspector

Date: 11/ 13/ 87

RECEIVED

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

87 NOV 30 A 8:31

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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  
poorley maintained and overgrown with vegetation.

*Morris Ota*  
Morris Ota  
Inspector

Date: 11/ 13 / 87

RECEIVED

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

87 NOV 30 A 8:31

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 ~~none~~<sup>FENCE</sup>, area is  
overgrown with vegetation.

WELL STATUS/CONDITION: Well is shut in.

\_\_\_\_\_  
\_\_\_\_\_

PERSON(S) CONTACTED: None

OTHER COMMENTS: Access r road gate unlocked.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Morris Ota*  
Morris Ota

Inspector

Date: 11/ 13 / 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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

*Morris Ota*

Inspector

Date: 10-15-87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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*  
Morris Ota

Inspector

Date: 10 - 15 - 87



RECEIVED

State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 20  
Division of Water & Land Development

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 10 - 15 - 87

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

RECEIVED

87 OCT 29 A 8: 20

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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 celler 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 Trespass " signs were posted and entry was  
guarded by two dogs. A house was located back among the trees along the  
access road.

*Morris Ota*  
Morris Ota

Inspector

Date: 10- 15 - 87

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

RECEIVED

87 OCT 29 A 8: 20

GEOHERMAL WELL INSPECTION

DIV. OF WATER &  
LAND DEVELOPMENT

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*  
Morris Ota

Inspector

Date: 10-15-87

RECEIVED

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

87 OCT 29 A8:20

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 10- 15- 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 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 Ota*

Morris Ota

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

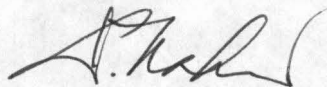
FROM: Dean Nakano

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



**Diamond Shamrock**  
Thermal Power Company

RECEIVED

87 OCT 28 P 3:17

Ralph A. Patterson, Jr.  
Hawaii Project Manager

DIV. OF WATER &  
LAND DEVELOPMENT

27 October 1987

Mr. Manabu Tagomori  
Dept. of Land and  
Natural Resources  
Kalanimoku 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 Patterson*

RAP/cn/0318A

cc: Bowden  
D'Olier  
Pittenger  
Bell  
Nakaji



clean

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,

*for* *George I. Nakamura*  
MANABU TAGOMORI  
Manager-Chief Engineer

DN:ko

# BARNWELL GEOTHERMAL CORPORATION

87 OCT 26 A 7: 59  
October 22, 1987

DIV. OF WATER &  
LAND DEVELOPMENT

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.

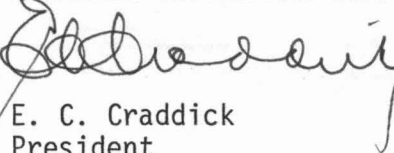
In addition, the Hawaii Volcanic Observatory has requested that these wells should remain open indefinitely and kept available for scientific observation purposes.

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,

BARNWELL GEOTHERMAL CORPORATION



E. C. Craddick  
President

ECC/sm

cc: W. R. Craddick - Hilo, Hawaii



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

RECEIVED

87 NOV 12 A 8:03

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: 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.

*Morris Ota*  
Morris Ota

Inspector

Date: 10 - 30 - 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: None

OTHER COMMENTS: It seems to me that the plant is in normal operation,

no steam discharged through rock muffler.

*Morris Ota*  
Morris Ota

Inspector

Date: 10 - 30 - 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

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

Morris Ota  
Morris Ota  
Inspector

Date: 10 - 30 - 87

RECEIVED

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

NOV 12 A 8:03

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
poorley maintained and overgrown with vegetation.

*Morris Ota*  
Morris Ota

Inspector

Date: 10 - 30 - 87

RECEIVED

State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 03  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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  
Morris Ota  
Inspector

Date: 10 - 30 - 87



RECEIVED

State of Hawaii  
DEPARTMENT OF LAND & NATURAL RESOURCES 03  
Division of Water & Land Development

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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 celler 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 Trespass " signss were posted and entry was  
guarded by two dogs. A house was located back among the trees along the access road.

*Morris Ota*  
Morris Ota

Inspector

Date: 10 - 30 - 87

RECEIVED

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

DIV. OF WATER &  
LAND DEVELOPMENT

GEOHERMAL 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: Access road gate unlocked.

*Morris Ota*  
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.



Mr. E C. Craddick

-2-

October 9, 1987

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. Morris 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

RECEIVED

87 SEP 29 A 8: 27

Left Kona 6 - A - M Sept. 15, 1987  
Return to m Kona 5 - P - M Sept. 16, 1987  
DIV OF WATER & LAND DEVELOPMENT

Checked job no 42 - H - W - E Olaa reservoir

Went to check with cont. to make sure that they did not 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.

*Dean*

September 14, 1987

MEMORANDUM FOR THE RECORD

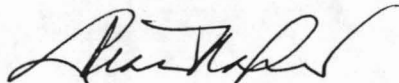
FROM: Dean Nakano

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.

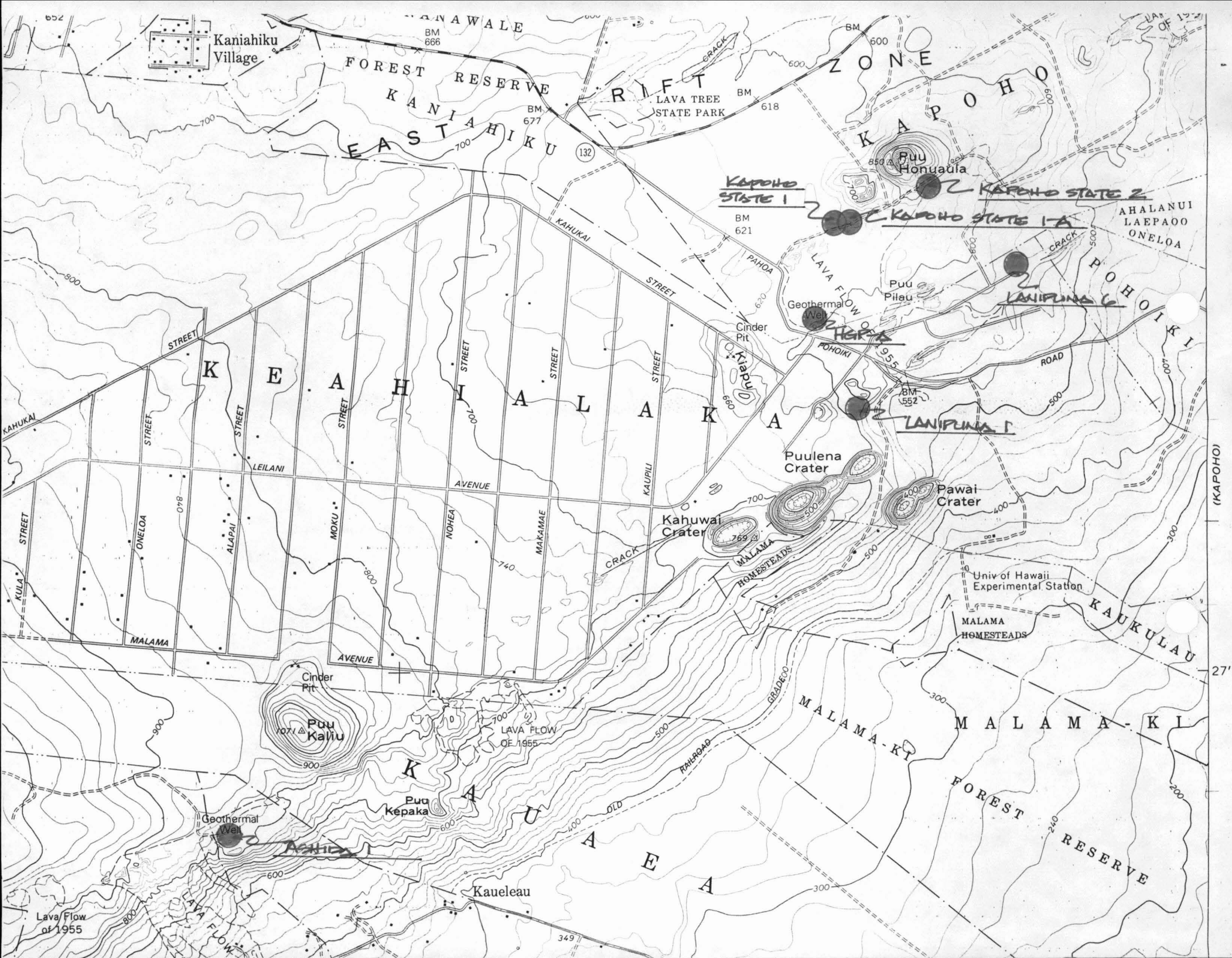


DEAN NAKANO

DN:ko  
Attach.

*cc: Morris Ota*





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

GEOHERMAL WELL INSPECTION

WELL NAME/NO.: HGP-A

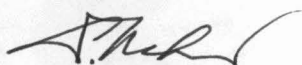
SITE ACTIVITY: Well and power plant in operation. Noted steam being  
discharged from onsite rock muffler system and from steam pressure release valve  
located in concrete cellar adjacent to wellhead.

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

GEOHERMAL 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

GEOHERMAL 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.

\_\_\_\_\_  
\_\_\_\_\_



Dean Nakano  
Inspector

Date: 9/10/87

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

GEOHERMAL 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

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

GEOHERMAL 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

GEOHERMAL 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.

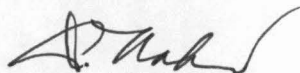
\_\_\_\_\_  
\_\_\_\_\_

PERSON(s) CONTACTED: None

\_\_\_\_\_

OTHER COMMENTS: Access road gate unlocked.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Dean Nakano

Inspector

Date: 9/10/87



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

GEOHERMAL 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.

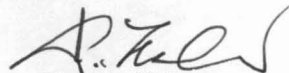
\_\_\_\_\_  
\_\_\_\_\_

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



LANIPUNA NO. 1, ORIGINAL ACCESS  
ROAD TO WELL PAD. 9-10-87



LANIPUNA NO. 1, WELL PAD  
AREA. 9-10-87



LANIPUNA NO. 6, WELL PAD  
AREA. NOTE - WELL DRILLING  
EQUIPMENT ON SITE. 9-10-87



LANIPUNA NO. 6, VIEW OF  
CONC. CELLAR AND WELLHEAD  
THRU FENCE. 9-10-87



LANIPUNA I  
10-15-87 NO "TRESS PASS"  
HOUSE IN BACK SIGN ON TREE



ASIDA I Well SITE  
10-15-87