

STATE OF NEVADA  
DEPARTMENT OF BUSINESS AND INDUSTRY  
DIVISION OF MINERALS

400 W. King Street, Suite 106  
Carson City, Nevada 89710  
(702) 687-5050

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JAN 11 2000

COMMERCIAL AND INDUSTRIAL CLASS  
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Div. of Minerals

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia Street, Reno, NV 89502  
Plant/Project Peppermill Hotel Casino County Washoe Month of December, 19 99

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	154.2 x1000 <i>154,200</i>	4,626.3 x1000 <i>4,626,300</i>	100° F	145 psig	2,800-3,000 Alta

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature *McPalow*

Position Civil Engr., Loran Engr & Inspection, Inc.

Date January 7, 2000

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GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Div. of Minerals

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia Street, Reno, NV 89502

Plant/Project Peppermill Hotel Casino County Washoe Month of November, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	154.1 x1000 <i>154,100</i>	2,928.6* x1000 <i>29,286.00</i>	101° F	142.5 psig	2,800-3,000 Alta
*Geothermal System put into Service on 11-10-99 following repiping and supply pump replacement.						

This report to be filed by the end of the month following the month herein reported.

*I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.*

Signature *W. B. Baker*

Position Civil Engr., Loran Engr & Inspection, Inc.

Date November 15, 1999

STATE OF NEVADA  
DEPARTMENT OF BUSINESS AND INDUSTRY  
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GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Div. of Minerals

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia Street, Reno, NV 89502

Plant/Project Peppermill Hotel Casino County Washoe Month of October, 19 99


Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0-*	-0-	N/A	N/A	2,800-3,000 Alta

\*Geothermal System Shut-out to  
replace Supply Well Pump

This report to be filed by the end of the month following the month herein reported.

*I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.*

Signature 

Position Civil Engr., Loran Engineering & Inspection  
Inc.

Date November 15, 1999

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**GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia St., Reno, NV 89502  
Plant/Project Peppermill Hotel Casino County Washoe Month of September, 19 99


Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0-*	-0-	N/A	N/A	2,800-3,000 Alt a

\*Geothermal System Shut-out to allow above ground piping relocated below grade.

This report to be filed by the end of the month following the month herein reported.

*I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.*

Signature   
Position Civil Engr., Loran Engineering & Inspection, Inc.  
Date October 15, 1999

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COMMERCIAL AND INDUSTRIAL CLASS  
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT Minerals

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia St., Reno, NV 89502

Plant/Project Peppermill Hotel Casino County Washoe Month of August, 19 99

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0-*	-0-	N/A	N/A	2,800-3,000 Alta

\*Geothermal System Shut-out to allow above ground piping relocated below grade.

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Position Civil Engr., Loran Engineering & Inspection, Inc.

Date September 13, 1999

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**COMMERCIAL AND INDUSTRIAL CLASS** Div. of Minerals  
**GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia St., Reno, NV 89502

Plant/Project Peppermill Hotel Casino County Washoe Month of July, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0-*	-0-	N/A	N/A	2,800-3,000 Alta

\*Geothermal System Shut-out to allow above ground piping relocated below grade.

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Position Civil Engr., Loran Engineering & Inspection, Inc.

Date August 15, 1999

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**COMMERCIAL AND INDUSTRIAL CLASS  
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

JAN 11 2000

Div. of Minerals

Company Peppermill Hotel Casinos, Inc. Address 2707 South Virginia St., Reno, NV 89502  
Plant/Project Peppermill Hotel Casino County Washoe Month of June, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0-*	-0-	N/A	N/A	2,800-3,000 Alta

\*Geothermal System Shut-out to allow above ground piping to be relocated below ground.

This report to be filed by the end of the month following the month herein reported.

*I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.*

Signature 

Position Civil Engr., Loran Engineering & Inspection, Inc.

Date July 12, 1999

STATE OF NEVADA  
DEPARTMENT OF BUSINESS AND INDUSTRY  
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**COMMERCIAL AND INDUSTRIAL CLASS  
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Peppermill Hotel Casinos, Inc. Address 2707 S. Virginia Street, Reno, NV 89502  
Plant/Project Peppermill Hotel Casino County Washoe Month of May, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Property	4	-0- *	-0-	N/A	N/A	2,800-3,000' Alta

\*Geothermal System Shut-out to allow above ground piping to be relocated below ground.

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature *Walter C. Baker*  
Position Civil Engineer, Loran Engineering & Inspection, Inc.  
Date June 11, 1999



# LORAN

ENGINEERING & INSPECTION, INC.

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Div. of Minerals

January 7, 2000

State of Nevada  
Division of Minerals  
Ms. Linda Wells  
400 West King Street, Ste. 106  
Carson City, NV 89703

RE: Peppermill Hotel Casino-Reno  
Geothermal Injection

This letter provides a status report of the geothermal system and conveys Geothermal Subsurface Injection Monthly Reports for the Peppermill Hotel Casino located at 2707 South Virginia Street in Reno, Nevada. Monthly reports were previously submitted for the period January through May 1999. As noted on the May 1999 Report, the geothermal supply well was shut-out on April 19, 1999 to allow a portion of the conveyance piping to be relocated below ground. This piping project was completed by Savage & Sons Plumbing, Inc., as a part of the Peppermill expansion program and did not affect either the geothermal production or injection well. However, when the geothermal production well was put back into service following the piping project, Peppermill Engineering noticed a substantial decrease in flow rates and temperatures. It was determined that the production well pump was defective and required replacement. A new pump and associated electrical wiring was installed by Aqua Drilling. The system was tested and placed back in service on November 10, 1999. The geothermal production and injection wells have operated normally without interruption since that time.

We trust that this provides the information required at this time. If you have any questions, please contact our office.

Sincerely,

Loran Engineering & Inspection, Inc.



Darlene Crawford Barlow  
Civil Engineer - 9908

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MAY 25 1999

Div. of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS  
GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Peppermill Hotel Casino, Inc. Address 2707 S. Virginia Street, Reno, NV 89502

Plant/Project Peppermill Hotel Casino County Washoe Month of April, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOTHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Reno Property	4	1527.0 X 1000	2901.3* X 1000	108° F	158 ps gi	2,800-3,000
<p>* Geothermal Production on Well was shut-out on April 19, 1999 to allow above ground geothermal piping to be relocated underground.</p>						

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature *AC Butler*

Position Civil Engr., Loran Engr. & Inspection, Inc.

Date May 20, 1999

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MAY 25 1999

Div. of Minerals

LETTER OF TRANSMITTAL

**Date:** May 20, 1999  
**Attention:** Ms. Linda Wells  
**Company:** State of Nevada Department of Business and Industry  
Division of Minerals  
**Sender:** Darlene Barlow  
**Project:** Peppermill Hotel Casino - Reno  
**Documents:** Commerical and Industrial Class  
Geothermal Subsurface Injection Monthly Report

Please find one copy of the report for April 1999.

Feel free to contact our office if you have any questions.

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 DEPARTMENT OF BUSINESS AND INDUSTRY  
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 GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT

APR 28 1999

Div. of Minerals

Company Peppermill Hotel Casino, Inc. Address 2707 S. Virginia Street, Reno, NV 89502  
 Plant/Project Peppermill Hotel Casino County Washoe Month of February, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

\* Gallons per month figured by 30 day blocks.

Field and lease name	Well No.	GEOTHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month *			
Commercial Well Peppermill Hotel Casino Reno Property	4	152.6 x 1000	4576.5 x 1000	108°F	147.5psig	2,800-3,000

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature *W.C. Bulow*  
 Position Civil Engr., Loran Engr. & Inspection, Inc.  
 Date April 20, 1999

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COMMERCIAL AND INDUSTRIAL CLASS  
 GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT Div. of Minerals

Company Peppermill Hotel Casino, Inc. Address 2707 S. Virginia Street, Reno, NV 89502  
 Plant/Project Peppermill Hotel Casino County Washoe Month of January, 1999

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOTHERMAL FLUIDS INJECTED		Average Temp. °F	Injection Pressure psig	Reservoir depth & formation
		Gallons per day	Gallons per month			
Commercial Well Peppermill Hotel Casino Reno Property	4	161.3 x1,000 <i>161,300</i>	4999.9 x1,000 <i>4,999,900</i>	109	159	2,800-3,000

This report to be filed by the end of the month following the month herein reported.

*I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.*

Signature *MC Barlow*  
 Position Civil Engr., Loran Engr. & Inspection, Inc.  
 Date February 10, 1999