

**Mc Kay Drilling, Inc.**

Serving Northern Nevada Since 1960

Nevada Contractors Licenses #147170, #22763

2290 Pioneer Dr.  
Reno, Nevada 89509  
(702) 825-8692  
852-1620  
826-5365

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JAN 12 1993  
Dept. of Minerals


January 4, 1992

Permit Officer  
Division of Environmental Protection  
Capitol Complex  
Carson City, NV 89710

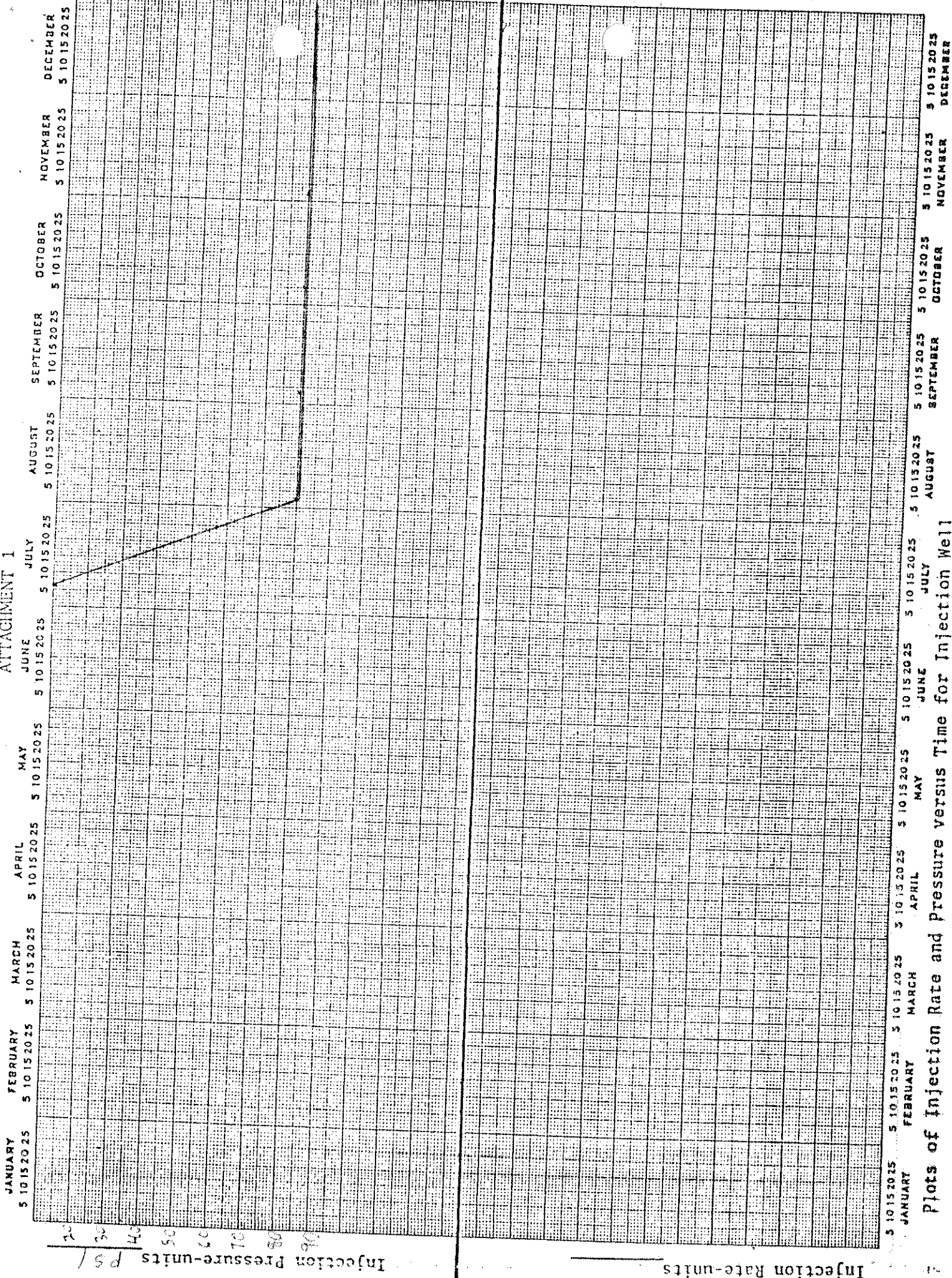
Dear Sirs: RE: Dr. Tang

This report is regarding permit #NEV87012.  
This report includes July through December of 1992.  
The totalizing flow meter readings and the gallons per minute  
instantaneous flow measurements were taken, by Gordon McKay.

Sincerely,



ATTACHMENT 1



Injection Rate-units

JANUARY 5 10 15 20 25 FEBRUARY 5 10 15 20 25 MARCH 5 10 15 20 25 APRIL 5 10 15 20 25 MAY 5 10 15 20 25 JUNE 5 10 15 20 25 JULY 5 10 15 20 25 AUGUST 5 10 15 20 25 SEPTEMBER 5 10 15 20 25 OCTOBER 5 10 15 20 25 NOVEMBER 5 10 15 20 25 DECEMBER 5 10 15 20 25

Plots of Injection Rate and Pressure versus Time for Injection Well

ATTACHMENT 1

Weekly measurements of production and injection activities at DR. TANG'S.

DATE	TIME	TEMP. OF INJECTION FLUID (°F)	INSTANTANEOUS FLOW MEASUREMENT (GPM)	INJECTION WELL PRESSURE	TOTALIZING FLOW METER READING (gal)	DATA READ AND RECORDED BY
7-6-92	1:16	off	Flow	off	56,410	Boudon
8-3	2:15	124°	Flow	80 PSI	56,430	
9-7	9:40	122°	Flow	80 PSI	56,470	
10-5	5:00	120°	Flow	80 PSI	56,470	
11-2	12:30	222°		80 PSI	56,470	
11-4	9:40	118°		80 PSI	56,470	
12-7	2:45	114°		80 PSI	56,550	

Sierra Environmental Monitoring Inc.  
 47 Glen Carran Circle  
 Sparks, NV 89431  
 (702) 356-3868

Laboratory  
 Analysis Report

Date : 12/11/92  
 Invoice #: 7428  
 Client #: TNG-623 PO#: \_\_\_\_\_  
 Name : Century Medical Clinic  
 Address : 380 Brinkby Avenue  
 City : Reno State: NV Zip: 89509  
 Taken by : McKay Drilling - Gordon

Page: 1

Sample	Collection		ALKALINITY	CONDUCTIVITY	pH	TOTAL DISSOL.	NITRATE-N	ARSENIC	BARIUM	
	Date	Time	MG/L	CMH/CM	U.S.	MG/L	MG/L	MG/L	MG/L	
HOT WATER WELL	11/04/96	13:20	55B	40C	850	8.44	617	0.1N	0.10	0.02
Sample	Collection		BORON	CADMIUM	CALCIUM	CHROMIUM	COPPER	IRON	MAGNESIUM	
	Date	Time	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
HOT WATER WELL	11/04/96	13:20	1.2	0.01	16.8	0.05	0.02	0.06	0.4	
Sample	Collection		MANGANESE	MERCURY	POTASSIUM	SELENIUM	SILVER	SODIUM	ZINC	
	Date	Time	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
HOT WATER WELL	11/04/96	13:20	0.02	0.0005	4.0	0.01	0.02	160	0.02	
Sample	Collection		TA	CHLORIDE	FLUORIDE	SILICA	SULFATE	GROSS	ALPHA, BETA	
	Date	Time	MG/L	MG/L	MG/L	MG/L	MG/L			
HOT WATER WELL	11/04/96	13:20	0.0182	30	2.4	53	249	YES		

Approved By: \_\_\_\_\_

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.



# BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

3-Dec-92

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JAN 12 1993

Dept. of Minerals

Received: 6-Nov-92

SIERRA ENVIRONMENTAL MONITORING, INC.  
47 Glen Carran Circle  
Sparks, NV 89431

Attn:  
Project:

PO# 0770

Job: 925461E

Status: Final

## BARRINGER LABORATORIES ANALYTICAL REPORT PACKAGE

CASE NARRATIVE.....i

ANALYTICAL RESULTS.....R-1

QUALITY CONTROL REPORT.....Q-1

3-Dec-92

SIERRA ENVIRONMENTAL MONITORING, INC.  
47 Glen Carran Circle  
Sparks, NV 89431

Page: i  
Copy: 1 of 2

Attn:  
Project: PO# 0770

Received: 6-Nov-92

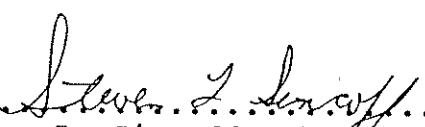
Job: 925461E

Status: Final

CASE NARRATIVE

A total of 1 Water sample was received on 6-Nov-92. All were properly preserved and in good condition. As stated in the chain of custody, the sample was run for the following analyses: Gross Alpha and Gross Beta. A table, to cross reference your sample ID to ours, is attached. Our procedures are summarized on the Quality Control Data Sheet. There were no deviations to these procedures. Each sample was extracted and analyzed within the proper holding times.

Quality control standards were run using standard EPA guidelines. A summary of that data is provided. The acceptance criteria for spikes and duplicates is fifteen percent. It is based on the relative percent deviation of the mean, taking the counting error into account for radiochemical analyses. All QC checks, including duplicates, spikes, and blanks, passed.

Signed:   
.....  
Steven L. Sincoff, Ph.D.  
Director of Operations



3-Dec-92

SIERRA ENVIRONMENTAL MONITORING, INC.  
47 Glen Carran Circle  
Sparks, NV 89431

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CASE NARRATIVE

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>
925461-1	9210-097-Hot Water Well (Tang)	Water

Parameter/Method List

Gross Alpha/Total                      Gross Beta/Total



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3-Dec-92

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Page: R-1  
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Project:

Received: 6-Nov-92 09:30

PO #: 0770

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Status: Final

### Sample Type: Water

Sample Id	Gross Alpha Error		Gross Beta Error	
	Total pCi/l	2 $\sigma$	Total pCi/l	2 $\sigma$
9210-097-Hot Water Well (Tang)	10	$\pm 6$	9.6	$\pm 3.8$



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## Abbreviations:

## Units:

pCi/l : picoCuries per liter  
2 $\sigma$  : Counting error at the 95% confidence level, 2 $\sigma$

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Project:

PO #: 0770

Received: 6-Nov-92 09:30

Job: 925461E

Status: Final

## QUALITY CONTROL REPORT

Sample Type: Water

Sample Id	Gross Alpha Error		Gross Beta Error	
	Total pCi/l	2 $\sigma$	Total pCi/l	2 $\sigma$
Duplicate	34	$\pm 59$	60	$\pm 36$
Duplicate	26	$\pm 58$	66	$\pm 36$
Duplicate % diff.	13	---	4.8	---
Std (found value)	205	$\pm 6$	117	$\pm 2$
Std (true value)	200	---	120	---
Std % rec.	102	---	98	---
Blank	0.4	$\pm 0.3$	0.5	$\pm 0.4$
Spike % rec.	97	---	98	---



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Project:

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## QUALITY CONTROL REPORT

### Abbreviations:

### Units:

pCi/l : picoCuries per liter  
2σ : Counting error at the 95% confidence level, 2σ

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Attn:  
Project:

PO #: 0770

Received: 6-Nov-92 09:30

Job: 925461E

Status: Final

## QUALITY CONTROL REPORT

### QUALITY CONTROL DATA SHEET

Received by: jdr

Via: UPS

Sample Container Type: 1L pl  
Sample Type: Water  
Preservative When Received: HNO3  
Additional Lab Preparation: none

Parameter	Method	LLD	Preser- vative	Analyst	Date(s) of Analysis
Gross Alpha	900.0	2 pCi/l	HNO3	Pham	11/19-11/25
Gross Beta	900.0	4 pCi/l	HNO3	Pham	11/19-11/25

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3-Dec-92

SIERRA ENVIRONMENTAL MONITORING, INC.  
47 Glen Carran Circle  
Sparks, NV 89431

Page: Q-4  
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Attn:  
Project:

Received: 6-Nov-92 09:30

PO #: 0770

Job: 925461E

Status: Final

## QUALITY CONTROL REPORT

Signed:

.....  
Radiochemical Laboratory Manager

Signed:

.....  
Quality Assurance Department

**Mc Kay Drilling, Inc.**

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2290 Pioneer Dr.  
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826-5365

RECEIVED

JUL 15 1992

Dept. of Minerals

July 11, 1992

Permit Officer  
Division of Environmental Protection  
Capitol Complex  
Carson City, NV 89710

Dear Sirs: RE: Dr. Tang

This report is regarding permit #NEV87012.  
This report includes January through June of 1992.  
The totalizing flow meter readings and the gallons per minute  
instananeous flow measurements were taken, by Gordon McKay.

Sincerely,



ATTACHMENT 1

Weekly measurements of production and injection activities at DR. TANG'S.

DATE	TIME	TEMP. OF INJECTION FLUID (°F)	INSTANTANEOUS FLOW MEASUREMENT (gpm)	INJECTION WELL PRESSURE	TOTALIZING FLOW METER READING (gal)	DATA READ AND RECORDED BY
1-6-92	1:02	114	Flow to low	12.5	56,300	Goodman
2-3-92	2:56	112		12.5	56,300	C
3-2-92	1:03	114		12.5	56,300	
4-6-92	4:00	122		12.5	56,300	
5-4-92	1:02	124		12.5	56,300	
6-1-92	1:36	off				56,410

Sierra Environmental Monitoring Inc.  
 47 Glen Carran Circle  
 Sparks, NV 89431  
 (702) 356-3868

JAN 23 1992

DR. TANG'S

Laboratory  
 Analysis Report

Dept. of minerals

Page: 1

Date : 1/02/92  
 Invoice #: 5546  
 Client #: TNG-623 PO#:  
 Name : Century Medical Clinic  
 Address : 380 Brinkby Avenue  
 City : Reno State: NV Zip: 89509  
 Taken by : McKay Drilling-Gordon

Sample	Collection		ALKALINITY	pH	TOTAL	NITRATE-N	ARSENIC	BORON	CALCIUM
	Date	Time	MG/L	CAC03IS.U.	MG/L	MG/L	MG/L	MG/L	MG/L
HOT WATER	12/02/91	12:35	86.8	8.45	625	0.1N	0.11	1.2	16

Sample	Collection		IRON	LITHIUM	MAGNESIUM	MANGANESE	POTASSIUM	SODIUM	CHLORIDE
	Date	Time	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
HOT WATER	12/02/91	12:35	0.05	0.2	0.32	0.02	4.5	173	30

Sample	Collection		FLUORIDE	SILICA	SULFATE				
	Date	Time	MG/L	MG/L	MG/L				
HOT WATER	12/02/91	12:35	2.3	59	220				

Approved By: 

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