Orig - NDOM Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: December, 1988

Address: P. O. Box 2627, Sparks, NV 89432-2627

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

Field and Lease Name		Geothermal F	luids Injected	~	Res.	•
	110.	Gallons per day	Gallons per month	Press.		depth
		(operating)	1	(psig)		(feet)
Soda Lake	1-29	1,410,550 Injecting hours this month: 737.8	43,362,648 Temperature metered at: 190 degrees F	20		791-980

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature: Vm W. Magnal

Von W. Maynard

Position:

Superintendent

Date:

January 13, 1989

DEC 20

DEPARTMENT OF MINERALS 400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 885-5050

Orig - NDOM
Dup - NBM&G
Trip - DWR
Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: November, 1988

Address: P. O. Box 2627, Sparks, NV 89432-2627

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

Field and Lease Name		Geothermal F		Reservoir	
nease Name		Gallons per day (operating)	Gallons per month	Press.	 depth (feet)
Soda Lake	1-29	1,360,452 Injecting hours this month: 669.7	37,962,293 Temperature metered at: 191 degrees F	21	791-980

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature :

Fred L. Manuel

Ful IMa

Position:

Operations Engineer

Date:

December 20, 1988

Orig - NDOM
Dup - NBM&G
Trip - DWR
Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: October, 1988

Address: P. O. Box 2627, Sparks, NV 89432-2627

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

Field and Lease Name		Geothermal F	luids Injected		Inj. Res. Press. Form.	Reservoir depth			
and the Colonial Will and Artifaction Will	1	Gallons per	Gallons per month	1 2000.	rvim.	40F011			
	1	(operating)	1	(psig)		(feet)			
Soda Lake	1-29	1,282,236 Injecting hours this month: 725.3	38,750,252 Temperature metered at: 193 degrees F	21		791-980			

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature:

FRED L. MANUE Von W. Maynard

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Position:

Operations Superintendent

Date:

November 22, 1988

Orig - NDOM Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer:

Western States Geothermal Co.

Month:

September, 1988

Address:

P. O. Box 2627, Sparks, NV 89432-2627

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

Field and Lease Name	Well	Geothermal F	Inj. Res.		Reservoir	
Dease Name	IVO,	day	Gallons per month	Press.		depth
		(operating)	† {	(psig)		(feet)
Soda Lake	1-29	1,275,600 Injecting hours this month:	38,267,999 Temperature metered at: 202 degrees F	26		791-980

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature :

Von W. Maynard

Vas W. Mayun

Position:

Supervisor

Date:

October 7, 1988

Orig - NDOM Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

man many mays which down drops down which chims down mind which which		and their state title table time time that take and apply pages apply pages as					
Field and Lease Name		Geothermal F	luids Injected	Inj.	Res. Form.	Reservoir depth	
	*****	Gallons per day	Gallons per month		rorm:		
		(operating)	! f	(psig)		(feet)	
Soda Lake	1-29	1,290,240 Injecting hours this month: 740.3	39,798,528 Temperature metered at: 204 degrees F	27		791-980	

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature :

Von W. Maynard

Position:

Supervisor

Date:

September 16, 1988

Fr St. Manuel for

Orig - NDOM Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Field and Lease Name;	- •	Geothermal F	- ,		Reservoir		
Lease Name	140. i	Gallons per Gallons per day month (operating)		Press.	Form.	depth (feet)	
3 1	· — · · · · · · · · · · · · · · · · · ·			} }	· week wood black area, board before analy as	the tree times seem name that helpf while more open name	
Soda Lake	1-29	1,259,830	38,907,750	22		791-980	
) !	! !	Injecting hours this	Temperature metered at:				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		month: 741.2	198 degrees F	 			
; ; ; ;	} ! !			1 1 2 1			
1 1 1	i : :	1 1 1					

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature :

Fred L. Manuel

Position:

Operations Engineer

Date:

August 19, 1988

400 W. King Street, Suite 106
Careon City, Nevada 89710
(702) 885-5050

Dup - NBIGGE Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer	Western State		nal Co.	Month c	of	June	, 19 88			
Address	P. O. Box 1620), Fallon,	NV 89406							
ı	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 F Gallons per day	luids Injected Gallons per month	Injection pressure	Reservoir formation	Reservoir depth			
Soda	Lake, NV	1-29	1,251,360	19,980,048 *	20 psig		791-980'			
*Volu	ume metered at a	prox. 185	F.							
pump	and well operations and well operation.									

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature	The LLM and
Position	Fred L. Manuel Operations Engineer
Date	



Chevron Resources Company

A Division of Chevron Industries, Inc. P.O. Box 1620, Fallon, NV 89406

July 22, 1988

RECEIVED

State of Nevada Department of Minerals 400 W. King Street, Suite 106 Carson City, NV 89710

.JUL 25 1988

DEPT OF MINERALS

Attn.: Ms. Kathy Loomis

Subject: SODA LAKE GEOTHERMAL POWER PLANT

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

REVISIONS TO REPORTS OF JAN., 1988 THROUGH MAY, 1988

Ms. Loomis:

Western States Geothermal Company would like to revise the injection pressure data reported on its "Report of Geothermal Subsurface Injections" for the Soda Lake plant for the months of January through May, 1988.

Previously reported injection pressures were recorded upstream of a throttling valve on the pipeline near injection well #1-29. These do not represent true "wellhead" injection pressures. A pressure recorder is also located at well #1-29 and does record true wellhead pressure. These pressures are given below.

Month	Previously Reported Injection Pressure	Actual Wellhead Injection Pressure
01-88	69.8 psig	Not available
02-88	74.0	30 psig
03-88	70.6	23
04-88	59.8	20
05-88	85.9	18

We regret any inconvenience this may cause. Should you have any questions, please contact me at 423-2002.

Sincerely,

Fred L. Manuel

Operations Engineer

400 W. King Street, Suite 106
Carson City, Nevada 89710
(702) 885-5050

Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer	Western States	Geotherma	l.Co	Month of May			, 19 ₈₈				
Address	P.O. Box 5049, San Ramon Ca. 94583-0949										
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 F Gallons per day	luids Injected Gallons per month	Injection pressure	Reservoir formation	Reservoi depth				
Soda	a Lake	1-29	1,213,564	37,620,486	85,9		791-980				
		Agenta de descripto de la composição de			THE WITTER WITTE						
		And the second s			A A PORT OF THE PROPERTY OF TH						
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Remarks:

narks.	
I certify this information to be true, correct, and matter inquired about in this report has been omitt	complete and that no pertinent
Signature	DBW offe
Position	Operations Engineer
Date	2.3 June 1988

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 885-5050 Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer	Western States Ge	eothermal (Co.	Month	of April		, 19 <u>88</u>
Address	P.O. Box 5049, Sa	n Ramon, (Ca. 94583-0949				
	Show each injomonth for the	ection wel preceding	l separately.	File not lat	er than the	last day o	f the
Field	and lease name	Well No.	Geothermal F Gallons per day	luids Injected Gallons per month	Injection pressure	Reservoir formation	Reservoi depth
	Soda Lake	1-29	1,165,939	36,144,107	59.8		791-980
Remarks:					· · · · · · · · · · · · · · · · · · ·		

I certify this information to be true, omatter inquired about in this report has	correct, and been omitt	complete and that no pertinent
	Signature	BUIL
	Position	Operations Engineer
	Date	6/6/88
	المراجعين والمعجودة	

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 885-5050 Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer	Western States Geothermal Co.			Month of March			, 19 <u>88</u>	
Address	P.O. Box 5049, San Ramon Ca. 94583-0949							
	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 F Gallons per day	luids Injected Gallons per month	Injection pressure	Reservoir formation	Reservoi depth	
\$	Soda Lake	1-29	1,179,522	36,565,182	70.6		791-980	
					70/71 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1			
M								

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature	Bloke	_
Position	Operations Engineer	
Date	6 / 6 / 88	_

DEPARTMENT OF MINERALS 400 W. King Street, Suite 106

Carson City, Nevada 89710 (702) 885-5050

Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal Co.

Producer Western States Geothermal Co.			Month of Feb.			_, 19 ⁸⁸		
Address	P.O. Box 5049, Sa	n Ramon C	ca. 94583-0949			·····		
	Show each injection month for the	ection wel preceding	l separately. month.	. File not later than the last day of the				
Field	and lease name	Well No.	<u>Geothermal F</u> Gallons per day	Juids <u>Injected</u> Gallons per month	Injection pressure	Reservoir formation	Reservo depth	
	Soda Lake	1-29	1,257,197	33,278,000	74		791'-980'	

Remarks:

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this report has been omitted.

Signature	Dank.
Position	Operations Manager

Date

28 Mar 88

DEPARTMENT OF MINERALS 400 W. King Street, Suite 106

Carson City, Nevada 89710 (702) 885-5050

Dup - NBM&G Trip - DWR Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer	Western States G	eothermal	Co.	Month of January			_, 19 88	
Address	P.O. Box 5049, San Ramon Ca. 94583-0949							
	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 Gallons per day	lvids Injected Gallons per month	Injection pressure	Reservoir formation	Reservo	
	Soda Lake	1-29	1'143,259	32,422,831	69.8		791'-980'	
lemarks:								

I certify this information to be true, commatter inquired about in this report has		
	Signature	Marth
	Position	Operations Manager
1	Date	28 Mar 88

28 Mar 88