

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: 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	Well No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,410,550	43,362,648	20		791-980
		Injecting hours this month: 737.8	Temperature metered at: 190 degrees F			

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

Von W. Maynard

Position: Superintendent

Date: January 13, 1989

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DEC 22

DEPARTMENT OF MINERALS
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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	Well No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,360,452	37,962,293	21		791-980
		Injecting hours this month: 669.7	Temperature metered at: 191 degrees F			

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

Fred L. Manuel

Position: Operations Engineer

Date: December 20, 1988

DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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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	Well No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,282,236	38,750,252	21		791-980
		Injecting hours this month: 725.3	Temperature metered at: 193 degrees F			

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 for*
 FRED L. MANUEL
 Von W. Maynard

Position: Operations Superintendent

Date: November 22, 1988

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 (702) 885-5050

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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 No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,275,600	38,267,999	26		791-980
		Injecting hours this month: 720	Temperature metered at: 202 degrees F			

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

Von W. Maynard

Position: Supervisor

Date: October 7, 1988

DEPARTMENT OF MINERALS
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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Field and Lease Name	Well No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,290,240	39,798,528	27		791-980
		Injecting hours this month: 740.3	Temperature metered at: 204 degrees F			

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. Maynard for*

Von W. Maynard

Position: Supervisor

Date: September 16, 1988

DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Field and Lease Name	Well No.	Geothermal Fluids Injected		Inj. Press. (psig)	Res. Form.	Reservoir depth (feet)
		Gallons per day (operating)	Gallons per month			
Soda Lake	1-29	1,259,830	38,907,750	22		791-980
		Injecting hours this month: 741.2	Temperature metered at: 198 degrees F			

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

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106

Carson City, Nevada 89710

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Chevron Resources
Western States Geothermal Co. Month of June, 19 88

Address P. O. Box 1620, Fallon, NV 89406

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		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
Soda Lake, NV	1-29	1,251,360	19,980,048 *	20 psig		791-980'
*Volume metered at approx. 185F.						
Plant and well operations were down from June 6 to June 20, 1988, due to a pump lineshaft failure in well #84-33. The pump was repaired and placed back in 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 Fred L. Manuel

Position Operations Engineer

Date _____



Chevron Resources Company

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

July 22, 1988

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JUL 25 1988

DEPT OF MINERALS

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

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

DEPARTMENT OF MINERALS

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal 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 Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
Soda Lake	1-29	1,213,564	37,620,486	85.9		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 DB Wolfe

Position Operations Engineer

Date 23 June 1988

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal Co. Month of April, 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 Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
Soda Lake	1-29	1,165,939	36,144,107	59.8		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 *DB Wolfe*
 Position Operations Engineer
 Date 6/6/88

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal Co. Month of March, 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 Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
Soda Lake	1-29	1,179,522	36,565,182	70.6	-	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 *DB Wolfe*
 Position Operations Engineer
 Date 6/6/88

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal Co. Month of Feb., 1988


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 Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
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 

Position Operations Manager

Date 28 Mar 88

DEPARTMENT OF MINERALS

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Western States Geothermal 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 Fluids Injected		Injection pressure	Reservoir formation	Reservoir depth
		Gallons per day	Gallons per month			
Soda Lake	1-29	1,143,259	32,422,831	69.8	-----	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 

Position Operations Manager

Date 28 Mar 88