

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

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

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: December, 1991

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			
Desert Peak	21-2	2,953,481	91,363,465	100.7		2030 - 3192
		Injecting hours this month (hrs):		742.42		
		Temperature metered at (F):		236.89		

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: Operations Superintendent

Date: January 7, 1992

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

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

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: November, 1991

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			
Desert Peak	21-2	2,982,006	89,460,172	93.21		2030 - 3192
		Injecting hours this month (hrs):		720.00		
		Temperature metered at (F):		236.47		

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: Operations Superintendent

Date: November 7, 1991

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

Producer: Western States Geothermal Co. Month: October, 1991

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			
Desert Peak	21-2	2,997,593	91,717,605	91		2030 - 3192
		Injecting hours this month (hrs):			734.33	
		Temperature metered at (F):			229.17	

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: Operations Superintendent

Date: November 7, 1991

DEPARTMENT OF MINERALS  
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Orig - NDOM  
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Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: September, 1991

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			
Desert Peak	21-2	3,178,453	85,696,391	87.3		2030 - 3192
					Injecting hours this month (hrs): 647.08	
					Temperature metered at (F): 239.36	

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: Operations Superintendent

Date: October 7, 1991

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

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

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: August, 1991

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			
Desert Peak	21-2	2,945,932	77,330,723	78.19		2030 - 3192
					Injecting hours this month (hrs): 630.00	
					Temperature metered at (F): 237.77	

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:

Operations Superintendent

Date:

September 10, 1991

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

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

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: July, 1991

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			
Desert Peak	21-2	3,128,120	96,939,121	79.29		2030 - 3192
					Injecting hours this month (hrs): 743.75 Temperature metered at (F): 237.94	

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: Operations Superintendent

Date: August 12, 1991

DEPARTMENT OF MINERALS  
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Orig - NDOM  
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Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: June, 1991

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			
Desert Peak	21-2	2,987,465	89,623,962	80.3		2030 - 3192
					Injecting hours this month (hrs): 720.00	
					Temperature metered at (F): 237.28	

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: Operations Superintendent

Date: July 9, 1991

DEPARTMENT OF MINERALS  
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(702) 885-5050

Orig - NDOM  
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Quad - DEP

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: May, 1991

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			
Desert Peak	21-2	3,029,779	92,502,949	78.37		2030 - 3192
					Injecting hours this month (hrs): 732.75	
					Temperature metered at (F): 236.7	

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: Operations Superintendent

Date: June 7, 1991



BUREAU OF LAND MANAGEMENT  
MONTHLY REPORT OF GEOTHERMAL OPERATIONS

May, 1991  
Page 1 of 2

OPERATOR: Western States Geothermal Co.  
ADDRESS: P. O. Box 2627, Sparks, NV 89432-2627

LEASE:  
FIELD: DESERT PEAK  
COUNTY: Churchill  
STATE: Nevada

PLANT OPERATIONS

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Plant On-line: 30.53 days  
Total Production: 881,299,984 total lbs steam and brine  
Average Flowrate: 1,202,729 total lbs/hr steam and brine  
Cool. Tower Blowdown: 4,330,325 gal  
HP Steam Separated: 76,300,127 lbs steam  
LP Steam Separated: 75,700,195 lbs steam

ELECTRICAL GENERATION

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Gross elec. produced: 7,404,960 kwh  
Net elec. produced: 6,672,000 kwh  
  
Approximate revenue: \$474,836  
at a sales rate of: \$0.064124 per kwh  
based on gross kwh sales.

WELL OPERATIONS

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Production

Well#	Sec	Tsp	Rge	Type
67-21	21	22N	27E	Prod.

Wellhead Pressure: 89.68 psig  
Wellhead Temperature: 329.44 F  
Volume Produced: 58,528,583 gal at 329.44 F  
Days produced: 30.53 days

Well#	Sec	Tsp	Rge	Type
86-21	21	22N	27E	Prod.

Wellhead Pressure: 89.68 psig  
Wellhead Temperature: 329.44 F  
Volume Produced: 58,528,583 gal at 329.44 F  
Days produced: 30.53 days

Individual well production is not metered due to difficulty of accurately metering two-phase (steam and brine) flow. Above volumes are figured by individually metering HP and LP steam and brine from the separators.

BUREAU OF LAND MANAGEMENT  
MONTHLY REPORT OF GEOTHERMAL OPERATIONS

May, 1991  
Page 2 of 2

OPERATOR: Western States Geothermal Co.  
ADDRESS: P. O. Box 2627, Sparks, NV 89432-2627

LEASE:  
FIELD: DESERT PEAK  
COUNTY: Churchill

WELL OPERATIONS (Continued)

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Injection

Well#	Sec	Tsp	Rge	Type
21-2	21	22N	27E	Inj.

Wellhead Pressure: 78.37 psig  
Wellhead Temperature: 236.7 F  
Volume Injected: 92,502,949 gal at 236.7 F  
Days injected: 30.53 days

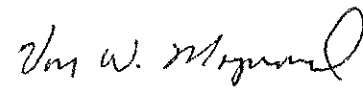
Brine flow is metered out of the low pressure separator.  
at approximately the injection temperature of 236.7 F.

WELL AND PLANT WORK PERFORMED

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Replaced hotwell pump.  
Repaired leak in liquid leg on inner-condenser.  
Field production normal maintenance.

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0  
0



Von W. Maynard  
Operations Superintendent

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: April, 1991

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			
Desert Peak	21-2	2,975,443	89,201,287	80.3		2030 - 3192
		Injecting hours this month (hrs):			719.50	
		Temperature metered at (F):			236.8	

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: Operations Superintendent

Date: May 7, 1991

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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: March, 1991

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			
Desert Peak	21-2	3,004,098	93,127,033	79		2030 - 3192
					Injecting hours this month (hrs): 744.00	
					Temperature metered at (F): 236.67	

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: Operations Superintendent

Date: April 4, 1991

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

Orig - NDOM  
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REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer: Western States Geothermal Co. Month: February, 1991

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			
Desert Peak	21-2	3,015,449	84,432,582	80.86		2030 - 3192
		Injecting hours this month (hrs):			672.00	
		Temperature metered at (F):			237.86	

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: Operations Superintendent

Date: March 7, 1991

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

Producer: Western States Geothermal Co. Month: January, 1991

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			
Desert Peak	21-2	3,041,698	93,517,012	81.37		2030 - 3192
					Injecting hours this month (hrs): 737.88	
					Temperature metered at (F): 238.23	

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: Operations Superintendent

Date: February 7, 1991