

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, 1992

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	2,823,028	87,272,738	102.7		2030 - 3192
		Injecting hours this month (hrs):		741.95		
		Temperature metered at (F):		234.1		

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 : Von W. Maynard

Von W. Maynard

Position: Operations Superintendent

Date: January 9, 1993

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, 1992

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	2,830,478	84,914,335	105.7		2030 - 3192
		Injecting hours this month (hrs):			720.00	
		Temperature metered at (F):			235.5	

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: December 8, 1992

BUREAU OF LAND MANAGEMENT
MONTHLY REPORT OF GEOTHERMAL OPERATIONS

November, 1992
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

Plant On-line: 30.00 days
Total Production: 824,079,840 total lbs steam and brine
Average Flowrate: 1,144,555 total lbs/hr steam and brine
Cool. Tower Blowdown: 5,099,000 gal
HP Steam Separated: 80,579,880 lbs steam
LP Steam Separated: 73,174,080 lbs steam

ELECTRICAL GENERATION

Gross elec. produced: 7,280,640 kwh
Net elec. produced: 6,576,000 kwh

Approximate revenue: \$470,836
at a sales rate of: \$0.064670 per kwh
based on gross kwh sales.

WELL OPERATIONS

Production

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

Wellhead Pressure: 86.67 psig
Wellhead Temperature: 327.25 F
Volume Produced: 54,655,178 gal at 327.25 F
Days produced: 30.00 days

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

Wellhead Pressure: 86.67 psig
Wellhead Temperature: 327.25 F
Volume Produced: 54,655,178 gal at 327.25 F
Days produced: 30.00 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

November, 1992
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)

Injection

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

Wellhead Pressure: 105.78 psig
Wellhead Temperature: 235.5 F
Volume Injected: 84,914,335 gal at 235.5 F
Days injected: 30.00 days

Brine flow is metered out of the low pressure separator.
at approximately the injection temperature of 235.5 F.

WELL AND PLANT WORK PERFORMED

Normal plant operations and maintenance.

0
0
0
0
0



Von W. Maynard
Operations Superintendent

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: October, 1992

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	2,825,052	87,635,472	103.9		2030 - 3192
					Injecting hours this month (hrs): 744.50	
					Temperature metered at (F): 236.19	

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 11, 1992

BUREAU OF LAND MANAGEMENT
MONTHLY REPORT OF GEOTHERMAL OPERATIONS

October, 1992
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)

Injection

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

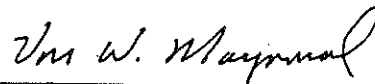
Wellhead Pressure: 103.97 psig
Wellhead Temperature: 236.19 F
Volume Injected: 87,635,472 gal at 236.19 F
Days injected: 31.02 days

Brine flow is metered out of the low pressure separator.
at approximately the injection temperature of 236.19 F.

WELL AND PLANT WORK PERFORMED

Normal plant operations and maintenance.

0
0
0
0
0



Von W. Maynard
Operations Superintendent

BUREAU OF LAND MANAGEMENT
MONTHLY REPORT OF GEOTHERMAL OPERATIONS

October, 1992
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

Plant On-line: 31.02 days
Total Production: 852,126,352 total lbs steam and brine
Average Flowrate: 1,144,562 total lbs/hr steam and brine
Cool. Tower Blowdown: 3,455,300 gal
HP Steam Separated: 83,112,477 lbs steam
LP Steam Separated: 75,501,779 lbs steam

ELECTRICAL GENERATION

Gross elec. produced: 7,318,560 kwh
Net elec. produced: 6,585,600 kwh

Approximate revenue: \$473,288
at a sales rate of: \$0.064670 per kwh
based on gross kwh sales.

WELL OPERATIONS

Production

Well#	Sec	Tsp	Rge	Type
67-21	21	22N	27E	Prod.
Wellhead Pressure:			86.74	psig
Wellhead Temperature:			327.5	F
Volume Produced:			56,561,063	gal at 327.5 F
Days produced:			31.02	days

Well#	Sec	Tsp	Rge	Type
86-21	21	22N	27E	Prod.
Wellhead Pressure:			86.74	psig
Wellhead Temperature:			327.5	F
Volume Produced:			56,561,063	gal at 327.5 F
Days produced:			31.02	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.

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: September, 1992

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	2,913,430	65,238,974	107.5		2030 - 3192
					Injecting hours this month (hrs): 537.42	
					Temperature metered at (F): 237.2	

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: Operations Superintendent

Date: October 8, 1992

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: August, 1992

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	2,900,727	89,346,024	104.3		2030 - 3192
					Injecting hours this month (hrs): 739.23	
					Temperature metered at (F): 236.48	

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 3, 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: July, 1992

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	2,909,312	89,743,788	104.0		2030 - 3192
		Injecting hours this month (hrs):			740.33	
		Temperature metered at (F):			236	

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 10, 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: June, 1992

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	2,913,652	87,409,550	103.2		2030 - 3192
		Injecting hours this month (hrs):		720.00		
		Temperature metered at (F):		234.63		

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 8, 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: May, 1992

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	2,877,457	89,006,927	100.3		2030 - 3192
		Injecting hours this month (hrs): 742.38				
		Temperature metered at (F): 235.46				

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 9, 1992

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: April, 1992

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	2,947,028	87,295,887	96.73		2030 - 3192
		Injecting hours this month (hrs):		710.92		
		Temperature metered at (F):		235.63		

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 12, 1992

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: March, 1992

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	2,960,976	91,420,133	98.58		2030 - 3192
					Injecting hours this month (hrs): 741.00	
					Temperature metered at (F): 235.22	

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 8, 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: February, 1992

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	2,946,716	85,454,754	100.0		2030 - 3192
					Injecting hours this month (hrs): 696.00	
					Temperature metered at (F): 235.39	

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 6, 1992

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: January, 1992

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	2,964,528	91,571,788	100.8		2030 - 3192
					Injecting hours this month (hrs): 741.34	
					Temperature metered at (F): 236.45	

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 10, 1992