





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

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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

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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

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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.

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WELL OPERATIONS (Continued)

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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

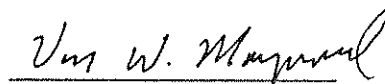
Brine flow is metered out of the low pressure separator.  
at approximately the injection temperature of 235.5 F.

WELL AND PLANT WORK PERFORMED

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Normal plant operations and maintenance.

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Von W. Maynard  
Operations Superintendent

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WELL OPERATIONS (Continued)

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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

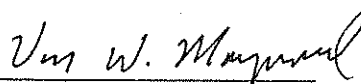
Brine flow is metered out of the low pressure separator.  
at approximately the injection temperature of 235.5 F.

WELL AND PLANT WORK PERFORMED

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Normal plant operations and maintenance.

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Von W. Maynard  
Operations Superintendent



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OPERATOR: Western States Geothermal Co.  
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LEASE:  
FIELD: DESERT PEAK  
COUNTY: Churchill  
STATE: Nevada

PLANT OPERATIONS

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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

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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

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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.

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COUNTY: Churchill

WELL OPERATIONS (Continued)

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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

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Normal plant operations and maintenance.

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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

GEOHERMAL PRODUCER'S MONTHLY REPORT

This report to be filed by the end of the month following the month herein reported.

Company: Western States Geothermal Co. Address: P. O. Box 2627  
 Sparks, NV 89432

Lease: Desert Peak County: Churchill Month of: June, 1992

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec	Twp.	Rge.				Net Sales (MWH)	Gallons Per Mo/Produced	Avg. Temp.
67-21	45397	21	T22N	R27E	N/A	N/A	N/A	3170.4	55,918,171	327.
86-21	46070	21	T22N	R27E	N/A	N/A	N/A	3170.4	55,918,171	327.
Prod. hrs this month, ea. well:									720 hrs	
TOTALS:								6340.8	111,836,342	

Method of determining production: Plant steam and brine flowmeters

I hereby certify that the information given herewith is true, correct, and complete.

*Von W. Maynard*

Von W. Maynard  
 Operations Superintendent

Telephone: (702) 423-2002

Date: July 8, 1992











