

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

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

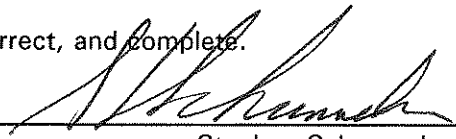
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of December 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Prod. Sales	Gallons Per Month	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					31.90 Mgal	339 Deg F.
28-33	41243	33	25N	37E					80.54 Mgal	330 Deg F.
45-33	47142	33	25N	37E					31.25 Mgal	335 Deg F.
63-7	47214	7	24N	37E					62.37 Mgal	333 Deg F.
73-7	47274	7	24N	37E					57.83 Mgal	329 Deg F.
74-7	47265	7	24N	37E					62.88 Mgal	333 Deg F.
76-7	47278	7	24N	37E					54.30 Mgal	334 Deg F.
82-7	47288	7	24N	37E					75.35 Mgal	329 Deg F.
84-7	41929	7	24N	37E					40.23 Mgal	335 Deg F.
Totals								42314.4 MWH	496.65 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 1/30/92



O X B O W G E O T H E R M A L

Wick —
Kathy — file

JAN 27 1992

Dept. of minerals

January 24, 1992

Department of Minerals
Mr. Russell Fields
400 West King Street, Suite 106
Carson City, NV 89710

Dear Mr. Fields:

Please find attached a copy of the Dixie Valley Unit Quarterly Report through December 31, 1991.

If you have any questions, please feel free to call me.

Sincerely,

Stephen E. Schumacher
Project Manager

Enclosures

SES/tz



DIXIE VALLEY GEOTHERMAL UNIT QUARTERLY PROGRESS REPORT FOURTH QUARTER 1991

Oxbow's Dixie Valley geothermal power plant completed the calendar year with a perfect month in December with no trips and no curtailments.

POWER PLANT

The plant operated through the months of October, November and December at capacity factors of 104%, 108.6% and 114.2%, respectively. The annual capacity factor was 105.5% and the availability factor for the year was 95.7%.

TRANSMISSION LINE

There have been no significant interruptions in the transmission line. Fault detection relays have been installed to assist in more readily locating faults in the line.

INJECTION SYSTEM

All eight injection wells were in-service this quarter. All brine is being injected. Cooling tower overflow is now being injected also.

PRODUCTION WELLS

All production wells were in-service this quarter. The production wells are throttled back to maintain a net 56 MW at Bishop.

PARTICIPATING AREA

There were no changes in the P.A. during this quarter. The cadastral survey preliminary results were received from the BLM for Township 24N, Range 36E. The final report has not been completed.

SURFACE DISCHARGE

There were a couple of incidences when there were brief surface discharges for various maintenance work. All surface discharges were within allowable permit requirements for these surface discharges.



O X B O W G E O T H E R M A L

RECEIVED
JAN 09 1992
... ..

January 2, 1992

Mr. Tom Gallagher
Division of Water Resources
123 West Nye Lane
Carson City, Nevada 89710

Subject: 1991 Dixie Valley water production, injection and consumption.

Dear Tom:

Enclosed is the fourth quarter report on the 1991 water production, injection and consumption for the Dixie Valley geothermal power plant. Also included is the yearly cumulative and the totals for the four quarters.

If you have any questions please call me or Dick Benoit.
Thank you.

Sincerely,

William L. Desormier
Geologist

Distribution: T. Diehl
C.D. Wells
R. Hoops, BLM
K. Loomis, DOM

Division Of Water Resources
 201 Fall Street
 Carson City, Nevada 89710
 (702) 687-4380

Oxbow Geothermal Corporation
 200 South Virginia Street, Suite 450
 Reno, Nevada 89501
 (702) 322-1300

Dixie Valley Power Plant

Fourth Well	Quarter October	1991		Geothermal Water Produced	
		November	December	Total	
27-33	97.19	94.62	97.56	289.37	
28-33	245.39	238.89	246.32	730.60	
45-33	95.22	92.70	95.59	283.51	
63-7	88.21	180.41	190.74	459.36	
73-7	212.33	179.66	176.85	568.83	
74-7	182.35	184.87	192.31	559.53	
76-7	193.30	173.64	166.07	533.01	
82-7	276.68	234.11	230.45	741.24	
84-7	116.64	118.27	123.03	357.94	
Total	1507.31	1497.15	1518.93	4523.39 acre-feet	

Fourth Well	Quarter October	1991		Potable Water Produced	
		November	December	Total	
W62-7	0.43	0.44	0.4	1.27	
W45-5	0.00	0.00	0.00	0.00	
Total	0.43	0.44	0.40	1.27 acre-feet	

Fourth Well	Quarter October	1991		Injected Water	
		November	December	Total	
25-5	464.12	476.38	507.51	1448.00	
45-5	82.62	72.72	79.11	234.45	
32-18	106.47	113.77	112.80	333.04	
41-18	136.98	148.57	148.15	433.70	
52-18	56.35	62.26	60.05	178.66	
65-18	86.69	90.88	98.59	276.17	
SWL-1	36.19	59.08	62.11	157.38	
SWL-3	104.71	134.50	139.30	378.50	
Total	1074.13	1158.16	1207.62	3439.90 acre-feet	

Potable	Fourth Quarter		Totals	(acre-feet)	
	Geothermal	Production Total		Injection	Consumption
1.27	4523.39	4524.66		3439.90	1084.76

Potable	1991		Totals	(acre-feet)	
	Geothermal	Cumulative Production Total		Injection	Consumption
5.22	17806.75	17811.97		11563.77	6248.20

1991		Cumulative	(acre-feet)	
Potable	Geothermal	Production Total	Injection	Consumption
5.22	17806.75	17811.97	11563.77	6248.20

First		Quarter	Totals	(acre-feet)	
Potable	Geothermal	Production Total	Injection	Consumption	
0.53	4537.83	4538.36	2783.18	1755.18	

Second		Quarter	Totals	(acre-feet)	
Potable	Geothermal	Production Total	Injection	Consumption	
3.06	4110.52	4113.58	2427.26	1686.31	

Third		Quarter	Totals	(acre-feet)	
Potable	Geothermal	Production Total	Injection	Consumption	
0.36	4635.01	4635.37	2913.42	1721.95	

Fourth		Quarter	Totals	(acre-feet)	
Potable	Geothermal	Production Total	Injection	Consumption	
1.27	4523.39	4524.66	3439.90	1084.76	

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOTHERMAL PRODUCER'S MONTHLY REPORT

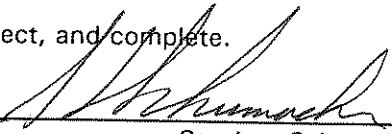
This report to be filed by the end of the month following the month herein reported

Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501
 Lease Dixie Valley Unit County Churchill Month of November 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Prod. Sales	Gallons Per Month	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					30.94 Mgal	338 Deg F.
28-33	41243	33	25N	37E					78.11 Mgal	329 Deg F.
45-33	47142	33	25N	37E					30.31 Mgal	333 Deg F.
63-7	47214	7	24N	37E					58.99 Mgal	330 Deg F.
73-7	47274	7	24N	37E					58.74 Mgal	327 Deg F.
74-7	47265	7	24N	37E					60.45 Mgal	331 Deg F.
76-7	47278	7	24N	37E					56.77 Mgal	331 Deg F.
82-7	47288	7	24N	37E					76.55 Mgal	327 Deg F.
84-7	41929	7	24N	37E					38.67 Mgal	333 Deg F.
Totals								38959.3 MWH	489.52 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 12/23/91

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOTHERMAL PRODUCER'S MONTHLY REPORT

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

Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501
 Lease Dixie Valley Unit County Churchill Month of October 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					31.78 Mgal	340 Deg F.
28-33	41243	33	25N	37E					80.24 Mgal	329 Deg F.
45-33	47142	33	25N	37E					31.14 Mgal	332 Deg F.
63-7	47214	7	24N	37E					28.84 Mgal	330 Deg F.
73-7	47274	7	24N	37E					69.42 Mgal	327 Deg F.
74-7	47265	7	24N	37E					59.62 Mgal	328 Deg F.
76-7	47278	7	24N	37E					63.20 Mgal	329 Deg F.
82-7	47288	7	24N	37E					90.47 Mgal	327 Deg F.
84-7	41929	7	24N	37E					38.14 Mgal	331 Deg F.
Totals								38531.8 MWH	492.85 Mgal	

Method of determining production: Flow Metering

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

Name Stephen E. Schumacher
 Stephen Schumacher
 Telephone (702) 322-1300
 Date 11/27/91

$$\frac{843 \text{ M}}{42} = 20,071 \times 5 \text{ MILS} = 100. \text{ "}$$

$$\times 5 \text{ CENTS} = 1000. \text{ "}$$



O X B O W G E O T H E R M A L

R-FYI
FILE

SEP

NOV 1 1991

Dept. of Minerals

October 29, 1991

Department of Minerals
Mr. Russell Fields
400 West King Street, Suite 106
Carson City, NV 89710

Dear Mr. Fields:

Please find attached a copy of the Dixie Valley Unit Quarterly Report through September 30, 1991.

If you have any questions, please feel free to call me.

Sincerely,

Stephen E. Schumacher
Project Manager

Enclosures

SES/tz



DIXIE VALLEY GEOTHERMAL UNIT QUARTERLY PROGRESS REPORT THIRD QUARTER 1991

During the third quarter of 1991, Oxbow Geothermal's power plant in Dixie Valley completed the summer generation season.

POWER PLANT

The plant operated through the months of July, August and September at capacity factors of 108.6%, 109.5%, and 112.5%, respectively. The summer generation period ended October 6, 1991.

TRANSMISSION LINE

There have been no significant interruptions in the transmission line.

INJECTION SYSTEM

Wells SWL-1 and SWL-3, which were not required in July and were out-of-service. They were returned to service in August. The remainder of the eight injection wells were in-service this quarter. There were brief periods of time when a couple of pumps were out-of-service. All brine is being injected. Cooling tower overflow is now being injected also.

PRODUCTION WELLS

With the exception of Well 63-7, all production wells were in-service this quarter. Well 76-7 was cleaned out in August and well 63-7 is to be acidized in October to improve permeability in the vicinity of the well bore.

PARTICIPATING AREA

There were no changes in the P.A. during this quarter. The cadastral survey preliminary results were received from the BLM for Township 24N, Range 36E. A final report should be complete by the end of the year.

SURFACE DISCHARGE

The cooling tower overflow system was put into operation and achieved its objective of having zero surface discharge. There were a couple of incidences when there were brief surface discharges for various maintenance work. All surface discharges were within allowable permit requirements for these surface discharges.

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOTHERMAL PRODUCER'S MONTHLY REPORT

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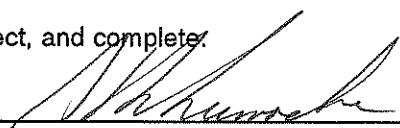
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of September 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					31.67 Mgal	341 Deg F.
28-33	41243	33	25N	37E					79.96 Mgal	331 Deg F.
45-33	47142	33	25N	37E					31.03 Mgal	334 Deg F.
63-7	47214	7	24N	37E					56.22 Mgal	331 Deg F.
73-7	47274	7	24N	37E					64.84 Mgal	329 Deg F.
74-7	47265	7	24N	37E					56.68 Mgal	330 Deg F.
76-7	47278	7	24N	37E					51.51 Mgal	331 Deg F.
82-7	47288	7	24N	37E					84.50 Mgal	329 Deg F.
84-7	41929	7	24N	37E					36.26 Mgal	333 Deg F.
Totals								40335.8 MWH	492.67 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 10/21/91



O X B O W G E O T H E R M A L

RECEIVED

OCT 03 1991

Dept. of Minerals

October 1, 1991

Mr. Tom Gallagher
Division of Water Resources
201 S. Fall Street
Carson City, Nevada 89710

Subject: 1991 Dixie Valley water production, injection and consumption.

Dear Tom:

Enclosed is the third quarter report on the 1991 water production, injection and consumption for the Dixie Valley geothermal power plant.

If you have any questions please call me or Dick Benoit.
Thank you.

Sincerely,

William L. Desormier
Geologist

Distribution: T. Diehl
C.D. Wells
R. Hoops, BLM
K. Loomis, DOM

Division Of Water Resources
 201 Fall Street
 Carson City, Nevada 89710
 (702) 687-4380

Oxbow Geothermal Corporation
 200 South Virginia Street, Suite 450
 Reno, Nevada 89501
 (702) 322-1300

Dixie Valley Power Plant

Well	Third Quarter 1991			Geothermal Water Produced	
	July	August	September	Total	
27-33	119.73	109.16	96.86	325.76	
28-33	302.29	275.61	244.56	822.46	
45-33	117.30	106.95	94.90	319.15	
63-7	66.81	170.89	171.93	409.63	
73-7	210.18	206.92	198.32	615.42	
74-7	173.17	178.34	173.35	524.86	
76-7	184.48	138.03	157.54	480.06	
82-7	273.88	269.63	258.43	801.94	
84-7	110.76	114.09	110.90	335.74	
Total	1558.60	1569.63	1506.78	4635.01 acre-feet	

Well	Third Quarter 1991			Potable Water Produced	
	July	August	September	Total	
W62-7	0.19	0.08	0.09	0.36	
W45-5	0.00	0.00	0.00	0.00	
Total	0.19	0.08	0.09	0.36 acre-feet	

Well	Third Quarter 1991			Injected Water	
	July	August	September	Total	
25-5	474.14	471.07	351.27	1296.48	
45-5	73.98	66.26	58.48	198.72	
32-18	159.74	112.62	121.25	393.61	
41-18	91.70	136.09	150.39	378.18	
52-18	14.81	39.75	65.16	119.72	
65-18	102.27	102.27	90.33	294.87	
SWL-1	0.00	37.77	51.09	88.86	
SWL-3	0.00	52.10	90.89	142.99	
Total	916.64	1017.92	978.86	2913.42 acre-feet	

Potable	Third Quarter		Totals	(acre-feet)	
	Geothermal	Production Total		Injection	Consumption
0.36	4635.01	4635.37		2913.42	1721.95

Potable	1991 Cumulative		Totals	(acre-feet)	
	Geothermal	Production Total		Injection	Consumption
3.95	13283.36	13287.31		8123.87	5163.44

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

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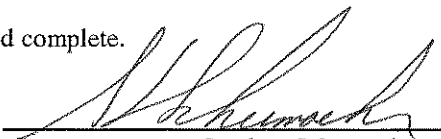
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of August 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					35.69 Mgal	340 Deg F.
28-33	41243	33	25N	37E					90.12 Mgal	332 Deg F.
45-33	47142	33	25N	37E					34.97 Mgal	335 Deg F.
63-7	47214	7	24N	37E					55.87 Mgal	331 Deg F.
73-7	47274	7	24N	37E					67.66 Mgal	328 Deg F.
74-7	47265	7	24N	37E					58.31 Mgal	328 Deg F.
76-7	47278	7	24N	37E					45.13 Mgal	329 Deg F.
82-7	47288	7	24N	37E					88.16 Mgal	328 Deg F.
84-7	41929	7	24N	37E					37.30 Mgal	331 Deg F.
Totals								40576.6 MWH	513.22 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 9/4/91

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOTHERMAL PRODUCER'S MONTHLY REPORT


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

Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501
 Lease Dixie Valley Unit County Churchill Month of July 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					39.15 Mgal	336 Deg F.
28-33	41243	33	25N	37E					98.84 Mgal	335 Deg F.
45-33	47142	33	25N	37E					38.35 Mgal	336 Deg F.
63-7	47214	7	24N	37E					21.84 Mgal	316 Deg F.
73-7	47274	7	24N	37E					68.72 Mgal	327 Deg F.
74-7	47265	7	24N	37E					56.62 Mgal	326 Deg F.
76-7	47278	7	24N	37E					60.32 Mgal	328 Deg F.
82-7	47288	7	24N	37E					89.55 Mgal	327 Deg F.
84-7	41929	7	24N	37E					36.21 Mgal	329 Deg F.
Totals								40249.4 MWH	509.62 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 8/26/91



**DIXIE VALLEY GEOTHERMAL UNIT
QUARTERLY PROGRESS REPORT
SECOND QUARTER 1991**

During the second quarter of 1991, Oxbow Geothermal's power plant in Dixie Valley completed a maintenance overhaul in the power plant and wellfield.

POWER PLANT

The plant operated through the months of April, May and June at capacity factors of 77%, 97% and 109%, respectively. A scheduled maintenance outage was completed April 21 through May 5.

TRANSMISSION LINE

Permanent repairs to the damaged structure from the storm on March 2, 1991 were made and some other additional line maintenance was performed during the scheduled outage.

INJECTION SYSTEM

A total of eight injection wells have been in service this quarter. All brine is being injected. Plans are being executed to inject cooling tower overflow as well.

PRODUCTION WELLS

Eight production wells now supply the plant. Well 63-7 experienced a rapid decline shortly before the outage. Repairs have been on-going since. The well is expected to be back in full production during the third quarter.

PARTICIPATING AREA

There have been no changes in the P.A. during this quarter.

SURFACE DISCHARGE

The cooling tower overflow system will be in service during the third quarter so that all fluids will be injected. There is surface discharge from the north wells in order to maximize plant output while 63-7 is off-line during the summer season. All surface discharges are within allowable permit requirements.



O X B O W G E O T H E R M A L

RECEIVED

JUL 05 1991

Dept. of Minerals

July 3, 1991

Mr. Tom Gallagher
Division of Water Resources
201 S. Fall Street
Carson City, Nevada 89710

Subject: 1991 Dixie Valley water production, injection and consumption.

Dear Tom:

Enclosed is the second quarter report on the 1991 water production, injection and consumption for the Dixie Valley geothermal power plant.

If you have any questions please call me or Dick Benoit.
Thank you.

Sincerely,


William L. Desormier
Geologist

Distribution: T. Diehl
C.D. Wells
R. Hoops, BLM
K. Loomis, DOM

Division Of Water Resources
 201 Fall Street
 Carson City, Nevada 89710
 (702) 687-4380

Oxbow Geothermal Corporation
 200 South Virginia Street, Suite 450
 Reno, Nevada 89501
 (702) 322-1300

Dixie Valley Power Plant

Second	Quarter	1991			Geothermal Water Produced
Well	April	May	June	Total	
27-33	94.05	113.89	114.83	322.78	
28-33	163.21	275.35	289.93	728.49	
45-33	92.02	112.20	112.51	316.72	
63-7	135.74	111.55	37.58	284.87	
73-7	134.20	208.34	203.64	546.19	
74-7	107.78	174.21	165.72	447.71	
76-7	122.96	181.32	189.55	493.82	
82-7	153.05	273.37	265.36	691.79	
84-7	66.79	105.35	106.00	278.13	
Total	1069.79	1555.59	1485.13	4110.52 acre-feet	

Second	Quarter	1991			Potable Water Produced
Well	April	May	June	Total	
W62-7	1.04	1.85	0.17	3.06	
W45-5	0.00	0.00	0.00	0.00	
Total	1.04	1.85	0.17	3.06 acre-feet	

Second	Quarter	1991			Injected Water
Well	April	May	June	Total	
25-5	315.87	390.16	431.77	1137.79	
45-5	11.52	85.50	73.16	170.18	
32-18	49.24	84.40	128.66	262.30	
41-18	109.76	89.87	104.48	304.11	
52-18	32.22	33.67	60.68	126.57	
65-18	45.90	70.52	76.56	192.98	
SWL-1	39.38	53.36	0.00	92.74	
SWL-3	59.81	80.77	0.00	140.58	
Total	663.69	888.26	875.31	2427.26 acre-feet	

	Second	Quarter	Totals	(acre-feet)
Potable	Geothermal	Production Total		Injection
3.06	4110.52	4113.58		2427.26
				1686.31

	1991	Cumulative	(acre-feet)
Potable	Geothermal	Production Total	Injection
3.59	8648.35	8651.94	5210.44
			3441.49

STATE OF NEVADA
DEPARTMENT OF MINERALS
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 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

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


Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of June 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					37.55 Mgal	337 Deg F.
28-33	41243	33	25N	37E					94.80 Mgal	334 Deg F.
45-33	47142	33	25N	37E					36.79 Mgal	336 Deg F.
63-7	47214	7	24N	37E					12.29 Mgal	302 Deg F.
73-7	47274	7	24N	37E					66.59 Mgal	327 Deg F.
74-7	47265	7	24N	37E					54.19 Mgal	327 Deg F.
76-7	47278	7	24N	37E					61.98 Mgal	329 Deg F.
82-7	47288	7	24N	37E					86.77 Mgal	327 Deg F.
84-7	41929	7	24N	37E					34.66 Mgal	330 Deg F.
Totals								39302.2 MWH	485.59 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 7/2/91

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

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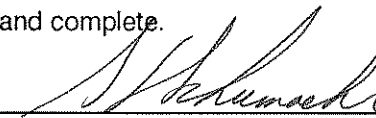
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of May 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					37.24 Mgal	338 Deg F.
28-33	41243	33	25N	37E					90.03 Mgal	334 Deg F.
45-33	47142	33	25N	37E					36.69 Mgal	337 Deg F.
63-7	47214	7	24N	37E					36.47 Mgal	333 Deg F.
73-7	47274	7	24N	37E					68.12 Mgal	329 Deg F.
74-7	47265	7	24N	37E					56.96 Mgal	331 Deg F.
76-7	47278	7	24N	37E					59.29 Mgal	332 Deg F.
82-7	47288	7	24N	37E					89.39 Mgal	329 Deg F.
84-7	41929	7	24N	37E					34.45 Mgal	333 Deg F.
Totals								36281.6 MWH	508.63 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 6/11/91

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

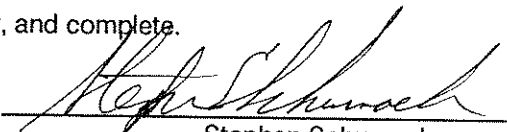
This report to be filed by the end of the month following the month herein reported

Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501
 Lease Dixie Valley Unit County Churchill Month of April 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					30.75 Mgal	339 Deg F.
28-33	41243	33	25N	37E					53.36 Mgal	335 Deg F.
45-33	47142	33	25N	37E					30.09 Mgal	337 Deg F.
63-7	47214	7	24N	37E					44.38 Mgal	332 Deg F.
73-7	47274	7	24N	37E					43.88 Mgal	329 Deg F.
74-7	47265	7	24N	37E					35.24 Mgal	332 Deg F.
76-7	47278	7	24N	37E					40.20 Mgal	333 Deg F.
82-7	47288	7	24N	37E					50.04 Mgal	329 Deg F.
84-7	41929	7	24N	37E					21.84 Mgal	335 Deg F.
Totals									27618.0 MWH	349.79 Mgal

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 5/16/91



O X B O W G E O T H E R M A L

RECEIVED

APR 03 1991

Dept. of Minerals

April 4, 1991

Mr. Tom Gallagher
Division of Water Resources
201 S. Fall Street
Carson City, Nevada 89710

Subject: 1991 Dixie Valley water production, injection and consumption.

Dear Tom:

Enclosed is the first quarter report on the 1991 water production, injection and consumption for the Dixie Valley geothermal power plant.

If you have any questions please call me or Dick Benoit.
Thank you.

Sincerely,

William L. Desormier
Geologist

Distribution: T. Diehl
C.D. Wells
R. Hoops, BLM
K. Loomis, DOM

First	Quarter	1991	Geothermal	Water	Produced
Well	January	February	March	Total	
27-33	138.47	127.67	140.75	406.89	
28-33	240.15	221.86	244.57	706.58	
45-33	135.84	125.25	138.08	399.16	
76-7	185.65	174.38	186.97	546.99	
63-7	164.50	149.68	158.33	472.51	
84-7	101.68	92.56	97.87	292.11	
74-7	206.51	187.98	198.78	593.27	
82-7	186.93	169.32	208.11	564.36	
73-7	211.76	165.91	178.28	555.95	
Total	1571.50	1414.61	1551.73	4537.83	acre-feet.

First	Quarter	1991	Potable	Water	Produced
Well	January	February	March	Total	
W62-7	0.26	0.17	0.10	0.53	
W45-5	0.00	0.00	0.00	0.00	
Total	0.26	0.17	0.10	0.53	acre-feet.

Total Water Production				First	
Month	January	February	March	Quarter	Total
Total	1571.76	1414.78	1551.83	4538.36	acre-feet.

First	Quarter	1991	Injected	Water	
Well	January	February	March	Total	
25-5	442.95	403.12	434.77	1280.84	
45-5	39.83	21.79	22.37	83.99	
32-18	58.68	61.29	82.82	202.79	
41-18	102.20	143.23	143.42	388.84	
52-18	125.28	52.75	40.39	218.42	
65-18	71.14	56.92	68.47	196.53	
SWL-3	78.85	69.14	84.03	232.02	
SWL-1	66.81	61.77	51.16	179.74	
Total	985.73	870.01	927.44	2783.18	acre-feet.

First quarter water consumption is 1755.19 acre-feet.

1991 Cumulative (acre-feet)					
Total			Total		
Potable	Geothermal	Production	Injection	Consumption	
0.53	4537.83	4538.36	2783.18	1755.19	

STATE OF NEVADA
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GEOHERMAL PRODUCER'S MONTHLY REPORT

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Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of March 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					45.86 Mgal	339 Deg F.
28-33	41243	33	25N	37E					79.69 Mgal	335 Deg F.
45-33	47142	33	25N	37E					44.99 Mgal	337 Deg F.
63-7	47214	7	24N	37E					64.77 Mgal	331 Deg F.
73-7	47274	7	24N	37E					67.81 Mgal	329 Deg F.
74-7	47265	7	24N	37E					51.59 Mgal	332 Deg F.
76-7	47278	7	24N	37E					60.92 Mgal	332 Deg F.
82-7	47288	7	24N	37E					58.09 Mgal	329 Deg F.
84-7	41929	7	24N	37E					31.89 Mgal	335 Deg F.
Totals								39720.2 MWH	505.61 Mgal	

Method of determining production: Flow Metering

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

Name 
Stephen Schumacher

Telephone (702) 322-1300

Date 4/4/91

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOTHERMAL PRODUCER'S MONTHLY REPORT

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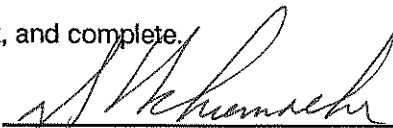
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of February 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					41.60 Mgal	339 Deg F.
28-33	41243	33	25N	37E					72.29 Mgal	334 Deg F.
45-33	47142	33	25N	37E					40.81 Mgal	336 Deg F.
63-7	47214	7	24N	37E					61.25 Mgal	330 Deg F.
73-7	47274	7	24N	37E					55.17 Mgal	324 Deg F.
74-7	47265	7	24N	37E					48.77 Mgal	332 Deg F.
76-7	47278	7	24N	37E					56.82 Mgal	332 Deg F.
82-7	47288	7	24N	37E					54.06 Mgal	329 Deg F.
84-7	41929	7	24N	37E					30.16 Mgal	334 Deg F.
Totals								35084.1 MWH	460.94 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 3/5/91

STATE OF NEVADA
DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

GEOHERMAL PRODUCER'S MONTHLY REPORT

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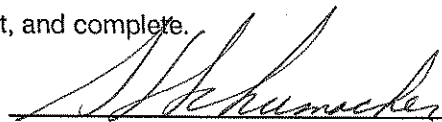
Company Oxbow Geothermal Corp. Address 200 S. Virginia St., #450, Reno, NV 89501

Lease Dixie Valley Unit County Churchill Month of January 1991

LOCATION					COMMERCIAL CLASS			INDUSTRIAL CLASS		
Well No.	Permit No.	Sec.	Twp.	Rge.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.	Production Sales	Gallons Per Mo/Consumed	Ave. Temp.
27-33	46951	33	25N	37E					45.96 Mgal	340 Deg F.
45-33	47142	33	25N	37E					45.26 Mgal	337 Deg F.
63-7	47214	7	24N	37E					68.79 Mgal	331 Deg F.
74-7	47265	7	24N	37E					54.80 Mgal	333 Deg F.
73-7	47274	7	24N	37E					62.04 Mgal	329 Deg F.
76-7	47278	7	24N	37E					61.96 Mgal	333 Deg F.
82-7	47288	7	24N	37E					70.29 Mgal	329 Deg F.
28-33	41243	33	25N	37E					79.93 Mgal	333 Deg F.
84-7	41929	7	24N	37E					33.86 Mgal	335 Deg F.
Totals								41326.0 MWH	522.54 Mgal	

Method of determining production: Flow Metering

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

Name 
 Stephen Schumacher

Telephone (702) 322-1300

Date 2/25/91