

STATE OF NEVADA
 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 Oxbow Geothermal Corporation Month of December, 19 88

Address 200 S. Virginia St. Suite 450, Reno, NV 89501

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 | | | |
| Dixie Valley (all) | | | | | | |
| Lamb Fee | 32-18 | | 46.26 M/Gal | 112 PSIG | Miocene Basalt | 7,360-7,374' |
| Lamb Fee | 52-18 | | 52.67 M/Gal | 111 PSIG | Jurassic Gabbro | 9,500-9,600' |
| N-12862 | 65-18 | | 25.24 M/Gal | 125 PSIG | Jurassic Gabbro | 9,265-9,417' |
| N-12393 | 45-5 | | 61.21 M/Gal | 126 PSIG | Miocene Basalt | 6,200-6,300' |
| | | | | 185.4 M/gal | | |

RECEIVED
 JAN 1 1989

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 *CP Wells*

Position O. & M. Manager

Date January 13, 1989

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

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DEC 12

REPORT OF GEOTHERMAL SUBSURFACE INJECTIONS

Producer Oxbow Geothermal Corporation Month of November, 19 88

Address 200 S. Virginia St. Suite 450, Reno, NV 89501

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 | | | |
| Dixie Valley (all) | | | | | | |
| Lamb Fee | 32-18 | | 47.74 M/gal | 104 psig | Miocene Basalt | 7,360-7,374' |
| Lamb Fee | 52-18 | | 49.94 M/gal | 109 psig | Jurassic Gabbro | 9,500-9,600' |
| N-12862 | 65-18 | | 28.20 M/gal | 118 psig | Jurassic Gabbro | 9,265-9,417' |
| N-12393 | 45-5 | | 68.80 M/gal | 118 psig | Miocene Basalt | 6,200-6,300' |
| | | | 194.68 M/gal Total | | | |

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 *C. Wells*

Position O. & M. Manager

Date December 9, 1988

STATE OF NEVADA
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 Oxbow Geothermal Corporation Month of October, 1988

Address 200 S. Virginia St. Suite 450, Reno, NV 89501

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 | | | |
| Dixie Valley (all) | | | | | | |
| Lamb Fee | 32-18 | | 54.91 M/gal | 97 psig | Miocene Basalt | 7,360-7,374' |
| Lamb Fee | 52-18 | | 44.69 M/gal | 79 psig | Jurassic Gabbro | 9,500-9,600' |
| N-12862 | 65-18 | | 35.89 M/gal | 81 psig | Jurassic Gabbro | 9,265-9,417' |
| N-12393 | 45-5 | | 61.58 M/gal | 116 psig | Miocene Basalt | 6,200-6,300' |
| | | | 197.07 M/gal Total | | | |

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 *[Handwritten Signature]*

Position O. & M. Manager

Date November 17, 1988

STATE OF NEVADA
 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 Oxbow Geothermal Corporation Month of September, 19 88

Address 200 S. Virginia St. Suite 450, Reno, NV 89501

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 | | | |
| Dixie Valley (all) | | | | | | |
| Lamb Fee | 32-18 | | 15.77 M/gal | 65 psig | Miocene Basalt | 7,360-7,374' |
| Lamb Fee | 52-18 | | 32.74 M/gal | 71 psig | Jurassic Gabbro | 9,500-9,600' |
| N-12862 | 65-18 | | 32.61 M/gal | 78 psig | Jurassic Gabbro | 9,265-9,417' |
| N-12393 | 45-5 | | 45.56 M/gal | 76 psig | Miocene Basalt | 6,200-6,300' |
| | | | 126.67 M/gal | | | |
| | | | Total | | | |

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 CD Wells

Position O. & M. Manager

Date Oct. 17, 1988

OXBOW GEOTHERMAL CORPORATION
 200 S. VIRGINIA ST., SUITE 450
 RENO, NEVADA 89501

DIXIE VALLEY GEOTHEMAL POWER PLANT
 INJECTION PERMIT NOS. NEV87063 & NEV60037

| Date | Sept. 1988 Injection | | | | Total (M-Gal) |
|------|----------------------|------------------|------------------|------------------|------------------|
| | 45-5 (M-Gal) | 32-18 (M-Gal) | 52-18 (M-Gal) | 65-18 (M-Gal) | |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 1.33 | 0.00 | 1.06 | 1.01 | 3.40 |
| 10 | 1.97 | 0.00 | 1.57 | 1.49 | 5.03 |
| 11 | 1.95 | 0.00 | 1.56 | 1.48 | 4.99 |
| 12 | 1.95 | 0.00 | 1.55 | 1.48 | 4.98 |
| 13 | 1.80 | 0.63 | 1.39 | 1.32 | 5.14 |
| 14 | 1.87 | 0.66 | 1.45 | 1.37 | 5.34 |
| 15 | 1.50 | 1.10 | 1.13 | 1.05 | 4.79 |
| 16 | 1.83 | 0.30 | 1.44 | 1.37 | 4.94 |
| 17 | 1.97 | 0.00 | 1.58 | 1.50 | 5.05 |
| 18 | 1.95 | 0.00 | 1.56 | 1.48 | 4.99 |
| 19 | 2.29 | 0.69 | 1.64 | 1.96 | 6.58 |
| 20 | 2.32 | 0.81 | 1.60 | 1.89 | 6.63 |
| 21 | 0.59 | 0.18 | 0.22 | 0.42 | 1.41 |
| 22 | 2.13 | 0.18 | 1.17 | 1.42 | 4.90 |
| 23 | 2.49 | 0.74 | 1.77 | 1.92 | 6.92 |
| 24 | 2.59 | 1.08 | 1.76 | 1.82 | 7.25 |
| 25 | 2.56 | 1.12 | 1.75 | 1.71 | 7.13 |
| 26 | 2.55 | 1.46 | 1.73 | 1.67 | 7.41 |
| 27 | 2.54 | 1.66 | 1.72 | 1.61 | 7.53 |
| 28 | 2.51 | 1.79 | 1.71 | 1.58 | 7.58 |
| 29 | 2.46 | 1.74 | 1.70 | 1.55 | 7.45 |
| 30 | 2.39 | 1.64 | 1.68 | 1.52 | 7.24 |
| 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 45.56 | 15.77 | 32.74 | 32.61 | 126.67 Total |
| | 2.07 | 0.99 | 1.49 | 1.48 | 4.22 Average |
| | 2.59 | 1.79 | 1.77 | 1.96 | 7.58 Maximum |
| | 0.59 | 0.18 | 0.22 | 0.42 | 1.41 Minimum |
| | (M-Gal) | (M-Gal) | (M-Gal) | (M-Gal) | (M-Gal) |
| | 45-5 | 32-18 | 52-18 | 65-18 | Total |
| | 35.96 | 12.45 | 25.84 | 25.74 | % Injection |

OXBOW GEOTHERMAL CORPORATION
 200 S. VIRGINIA ST., SUITE 450
 RENO, NEVADA 89501

DIXIE VALLEY GEOTHERMAL POWER PLANT
 INJECTION PERMIT NOS. NEV87063 & NEV60037

| Date | September 1988 Injection | | | 32-18 | | | 52-18 | | | 65-18 | | |
|------|--------------------------|--------------|------------|----------|--------------|------------|----------|--------------|------------|----------|--------------|------------|
| | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 199 | 50 | 922 | 0 | 0 | 0 | 210 | 53 | 736 | 222 | 77 | 700 |
| 10 | 200 | 63 | 1365 | 0 | 0 | 0 | 206 | 69 | 1090 | 224 | 83 | 1037 |
| 11 | 200 | 84 | 1355 | 0 | 0 | 0 | 205 | 83 | 1082 | 224 | 93 | 1029 |
| 12 | 220 | 81 | 1352 | 0 | 0 | 0 | 223 | 80 | 1080 | 224 | 87 | 1027 |
| 13 | 234 | 66 | 1249 | 225 | 34 | 435 | 228 | 59 | 968 | 223 | 64 | 914 |
| 14 | 235 | 60 | 1297 | 228 | 53 | 458 | 225 | 53 | 1005 | 228 | 56 | 948 |
| 15 | 227 | 111 | 1044 | 221 | 101 | 767 | 220 | 104 | 783 | 225 | 111 | 732 |
| 16 | 227 | 78 | 1273 | 217 | 69 | 208 | 220 | 74 | 1002 | 225 | 79 | 950 |
| 17 | 226 | 80 | 1371 | 0 | 0 | 0 | 219 | 78 | 1095 | 224 | 81 | 1042 |
| 18 | 225 | 81 | 1355 | 0 | 0 | 0 | 219 | 82 | 1082 | 224 | 85 | 1029 |
| 19 | 226 | 74 | 1590 | 221 | 57 | 480 | 219 | 70 | 1140 | 223 | 75 | 1360 |
| 20 | 226 | 70 | 1614 | 221 | 60 | 560 | 219 | 65 | 1114 | 224 | 70 | 1315 |
| 21 | 226 | 20 | 413 | 210 | 4 | 125 | 209 | 6 | 150 | 211 | 5 | 292 |
| 22 | 228 | 29 | 1482 | 218 | 33 | 125 | 213 | 20 | 810 | 223 | 27 | 984 |
| 23 | 227 | 78 | 1733 | 223 | 64 | 513 | 222 | 69 | 1230 | 226 | 79 | 1330 |
| 24 | 225 | 85 | 1800 | 221 | 75 | 750 | 219 | 80 | 1221 | 224 | 87 | 1264 |
| 25 | 225 | 88 | 1775 | 221 | 79 | 775 | 219 | 84 | 1215 | 223 | 92 | 1187 |
| 26 | 225 | 92 | 1770 | 221 | 79 | 1017 | 219 | 86 | 1200 | 224 | 90 | 1157 |
| 27 | 225 | 97 | 1765 | 221 | 83 | 1150 | 220 | 88 | 1195 | 224 | 94 | 1117 |
| 28 | 225 | 101 | 1740 | 222 | 85 | 1242 | 220 | 90 | 1185 | 224 | 98 | 1100 |
| 29 | 225 | 97 | 1710 | 222 | 81 | 1208 | 220 | 89 | 1180 | 225 | 93 | 1077 |
| 30 | 225 | 97 | 1662 | 222 | 81 | 1140 | 220 | 81 | 1170 | 224 | 92 | 1056 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) | Temp (F) | Press (psig) | Rate (gpm) |
| Avg | 223 | 76 | 1438 | 221 | 65 | 685 | 218 | 71 | 1033 | 224 | 78 | 1029 |